Wi-Fi Modem Router X6 N900

WLM-6600

User Manual

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Revision 1.0

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Note: All the information contained in this manual was correct at the time of publication.

However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

Introduction

Congratulations on your purchase of the WLM-6600 Wireless ADSL2+ Modem. This modem is fully compliant with 802.11a, 802.11b, 802.11g and 802.11n. This modem provides the best performance when used in combination with 802.11n client adapters.

The WLM-6600 is not only a Modem or Wireless Access Point, but can also be used to connect wired Ethernet devices at 10/100/1000 Mbit speeds.

For data protection and privacy, the WLM-6600 can encode all wireless transmissions with WEP, WPA or WPA2 encryption. By default, the modem is secured with a WPA2 (AES) encryption key. (The WPA2-key is printed on the label underneath the modem.)

With a built-in DHCP Server & powerful SPI firewall the WLM-6600 protects your computers against intruders and known Internet attacks, and also provides safe VPN pass-through.

With Sitecom Cloud Security, Sitecom goes one step further and ensures that you can surf the Internet even more safely, not only on your PC, but on all the devices in your home which you use to access the Internet. It does not matter whether you surf the Internet on a laptop, a tablet, a mobile telephone or your television. Thanks to the security that is integrated in the router, all the Internet devices in your home are protected against the dangers of Internet criminality.

Key Features

Features	Advantages
Incredible Data Rate up to 450Mbps*	Heavy data payloads such as MPEG video streaming
IEEE 802.11n Compliant and backwards compatible with 802.11b/g	Fully Interoperable with IEEE 802.11b / IEEE802.11g compliant devices with legacy protection
Four 10/100/1000 Mbps Switch Ports (Auto-Crossover)	Scalability, extend your network.
Firewall supports Virtual Server Mapping, DMZ, IP Filter, ICMP Blocking, SPI	Avoids the attacks of Hackers or Viruses from Internet
Support 802.1x authenticator, 802.11i (WPA/WPA2, AES), VPN pass-through	Provide mutual authentication (Client and dynamic encryption keys to enhance security
Sitecom Cloud Security	Protect your home against cybercrime while browsing.
USB Port	Connect any USB device and share it in your network.

* Theoretical wireless signal rate based on IEEE standard of 802.11a, b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate. All specifications are subject to change without notice.

Package Contents

Open the package carefully, and make sure that none of the items listed below are missing. Do not discard the packing materials, in case of return; the unit must be shipped back in its original package.

- The WLM-6600 WiFi Modem Router N600
- A 110V~240V to 12V 2A Switching Power Adapter
- A Quick Install Guide
- An UTP cable
- A RJ11 cable

Cautions

This router's design and manufacturer has your safety in mind. In order to safely and effectively use this router, please read the following before usage.

Usage Cautions

The user should not modify this router. The environmental temperature should be within +5 ~ +35 degrees Celsius.

Power

The router's power voltage is DC 12V 2A.

When using this router, please connect the supplied AC adapter or AC adapter cable to the router's power jack. When placing the adapter cable, make sure it can't get damaged or be subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the router in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

Repair

If the router has a problem, you should take it to an appointed repair center and let the specialists do the repair. Never repair the router yourself, you might damage the router or endanger yourself.

Disposing of the Router

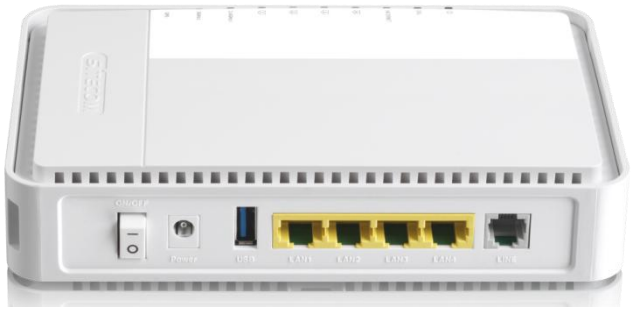
When you dispose of the router, be sure to dispose it appropriately. Some countries may regulate disposal of an electrical device, please consult with your local authority.

Others

When using this router, please do not let it come into contact with water or other liquids. If water is accidentally spilled on the router, please use a dry cloth to absorb the spillage. Electronic products are vulnerable, when using please avoid shaking or hitting the router, and do not press the buttons too hard.

- Do not let the router come into contact with water or other liquid.
- Do not disassemble, repair or change the design of the router; any damage done will not be included in the repair policy.
- Avoid hitting the router with a hard object, avoid shaking the router and stay away from magnetic fields.
- If during electrostatic discharge or a strong electromagnetic field the product will malfunction, unplug the power cable. The product will return to normal performance the next time it is powered on.

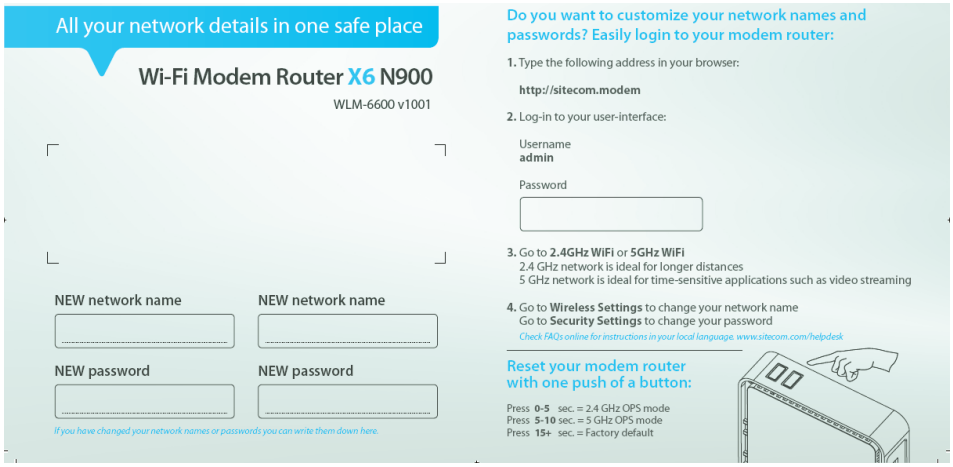
Product Layout



Port	Description
Power connector	Connect the 12V DC adapter to this port
USB Port (x2)	Connect a USB device to this port
LAN (Yellow)	Connect your PCs or network devices to these ports
ADSL (Grey)	Connect your ADSL cable to this port

Backlabel and Network Details Folder

The Network Details Folder describes the IP address, login details, network name, security code and OPS button functionality.


All your network details in one safe place
Wi-Fi Modem Router X6 N900
WLM-6600 v1001
NEW network name
NEW network name
NEW password
NEW password
If you have changed your network names or passwords you can write them down here.
Do you want to customize your network names and passwords? Easily login to your modem router:
1. Type the following address in your browser:
http://sitecom.modem
2. Log-in to your user-interface:
Username
admin
Password
3. Go to 2.4GHz WiFi or 5GHz WiFi
2.4 GHz network is ideal for longer distances
5 GHz network is ideal for time-sensitive applications such as video streaming
4. Go to Wireless Settings to change your network name
Go to Security Settings to change your password
Check FAQs online for instructions in your local language. www.sitecom.com/helpdesk
Reset your modem router with one push of a button:
Press 0-5 sec. = 2.4 GHz OPS mode
Press 5-10 sec. = 5 GHz OPS mode
Press 15+ sec. = Factory default

Button	Description
OPS BUTTON	Press 0-5 seconds for OPS mode
	Press 15 Seconds to reset the router to factory defaults.

LED Definition

As shown from the top to the bottom.

Port	Description
Power (Red)	Shows the device is turned on.
DSL (Green)	Shows the DSL signal is synchronized.
Internet (Blue)	Shows the Internet connection is active.
LAN (Blue)	Shows the cable is connected.
LAN (Blue)	Shows the cable is connected.
LAN (Blue)	Shows the cable is connected.
LAN (Blue)	Shows the cable is connected.
2.4GHz (Blue)	Shows 2.4GHz WiFi activity.
5GHz (Blue)	Shows 5GHz WiFi activity.
OPS (White)	Shows OPS activity.

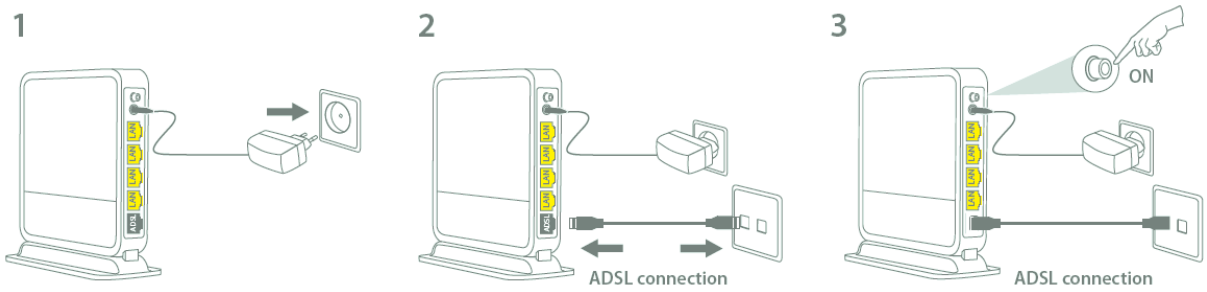
Network + System Requirements

To begin using the router, make sure you meet the following as minimum requirements:

- PC/Notebook.
- Operating System – Microsoft Windows XP/VISTA/7 or Mac OSX
- 1 Free Ethernet port.
- WiFi card/USB dongle (802.11 a/b/g/n) – optional.
- PC with a Web-Browser (Internet Explorer, Safari, Firefox, Opera)
- Ethernet compatible CAT5e cables.

Setup your Router

You can place the router on a desk or other flat surface, or you can mount it on a wall. For optimal performance, place your router in the center of your home (or your office) in a location that is away from any potential source of interference, such as a metal wall or microwave oven. This location must be close to a power connection and your ADSL connection.

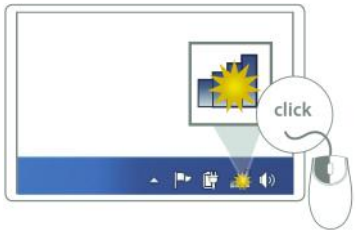


Connect the supplied power-adapter to the power inlet port and connect it to a wall outlet. Switch the router on by flipping the switch on the back of the device. The router automatically enters the self-test phase. During self-test phase, the Power LED will be lit continuously to indicate that this product is in normal operation.

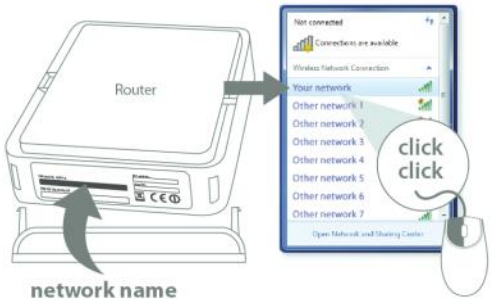
Setup your Computer

Windows, Manual Connection

- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.

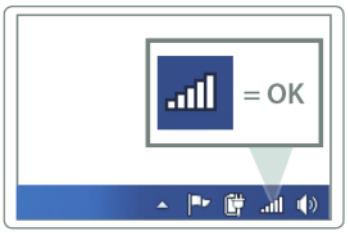


- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Fill in the password for the wireless network. The correct password can be found on the sticker on the bottom of the router, or in the Network Details Folder.

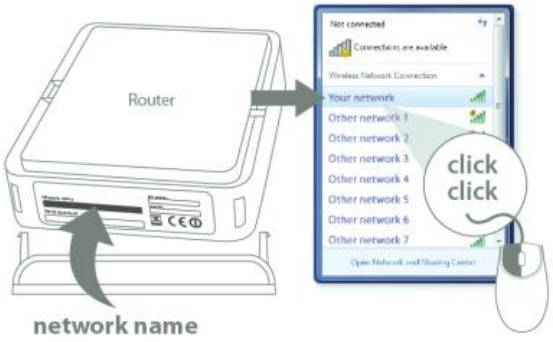
- Wait for the icon to display that it's connected to the network.



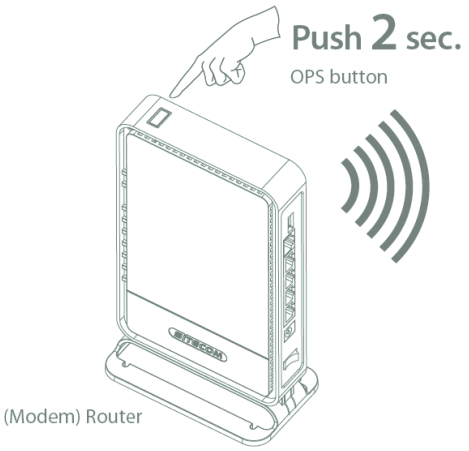
Windows, OPS Connection

- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.

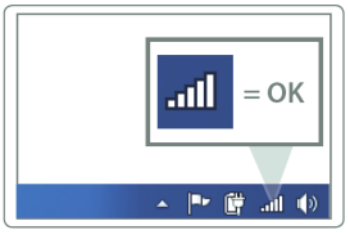
- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Push the OPS Button on the router. Keep the button pushed for 0-5 seconds.



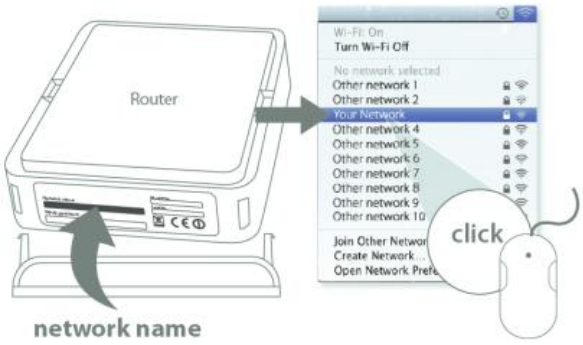
- Wait for the icon to display that it's connected to the network.



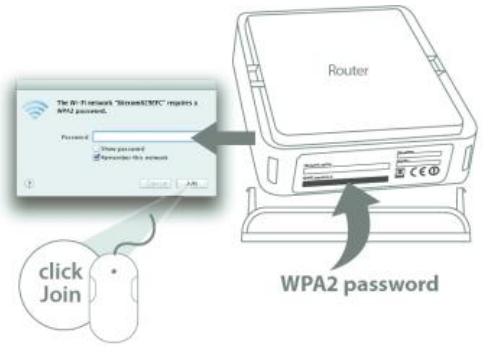
Mac OSX

- Click on the icon for wireless connectivity. This is usually located in the System Tray, next to the clock.

- Select the Sitecom network. The correct network name can be found on the sticker on bottom of the router, or in the Network Details Folder.



- Fill in the password for the wireless network. The correct password can be found on the sticker on the bottom of the router, or in the Network Details Folder.



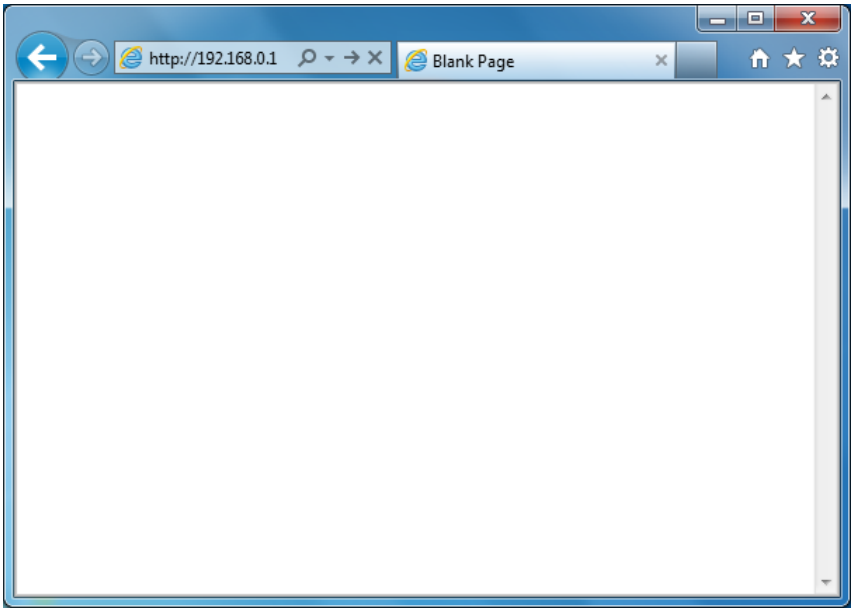
- Wait for the icon to display that it’s connected to the network.

Login to your Router

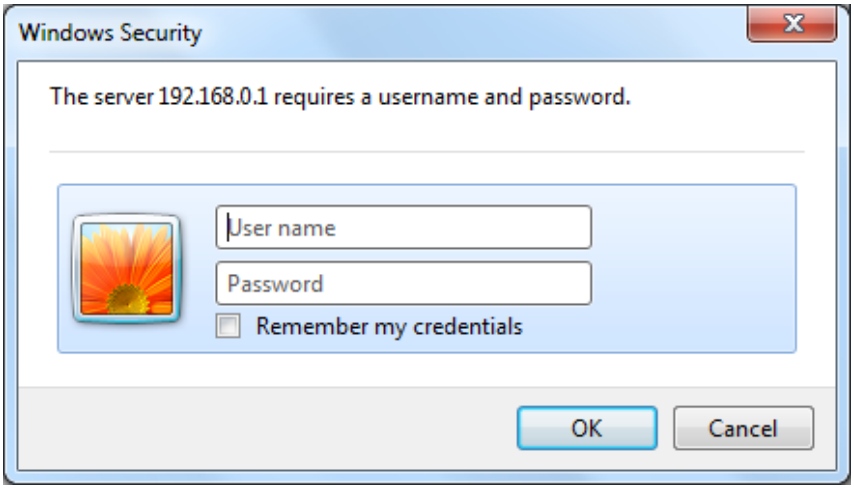
LOGIN procedure

- OPEN your browser (e.g. Internet Explorer).

- Type http://sitecom.modem or http://192.168.0.1 in the address bar and press [Enter].



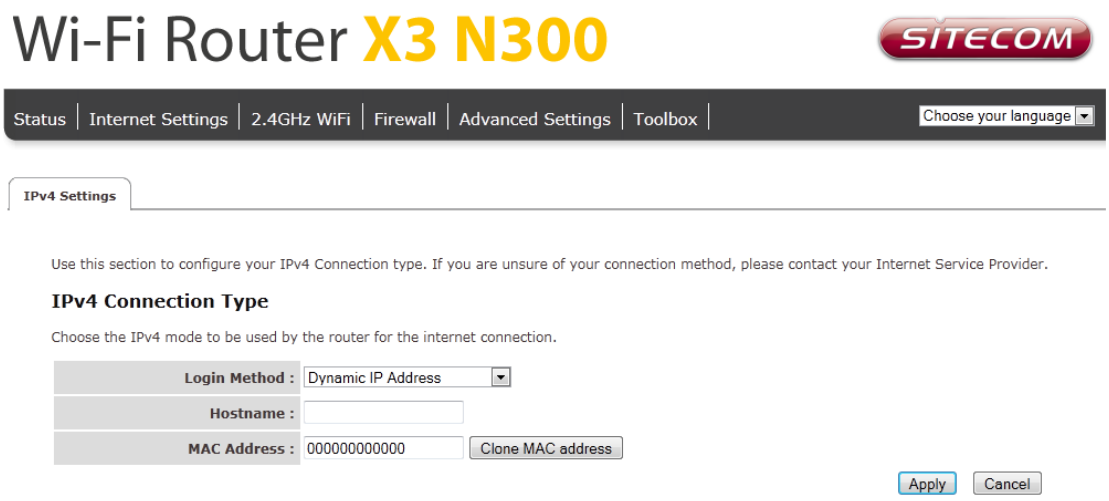
- Type user name and password. The default username is admin, the password can be found on the back label on the bottom of your router.



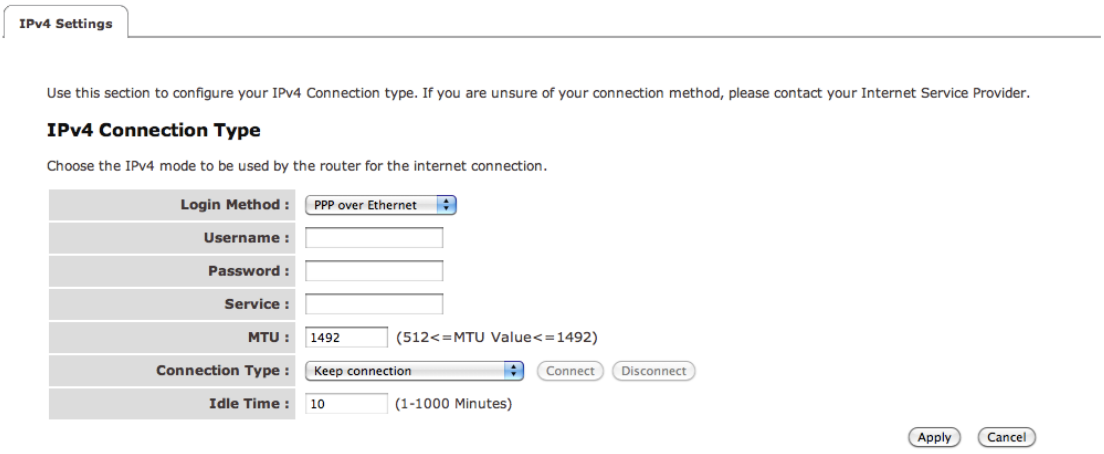
- Click OK.
- You will see the home page of the WLM-6600.

Configure your Internet connection

From the menu, select “Internet Settings”.



Depending on the chosen setting, you may need to enter your user name and password, MAC address or hostname in the following window. After you have entered the correct information, click **Apply**.



IPv6 Configuration

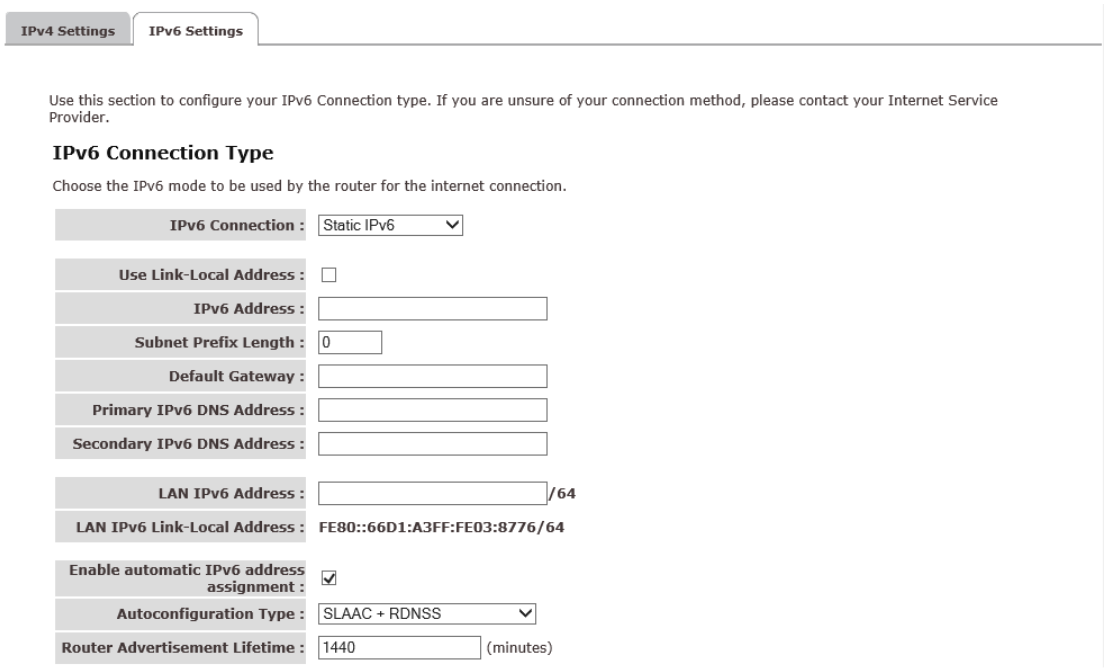
The IPv6 (Internet Protocol version 6) section is where you configure your IPv6 Connection type.

IPv6 Connection Type

There are several connection types to choose from: Static IPv6, Autoconfiguration, 6RD and Link-local only. If you are unsure of your connection method, please contact your IPv6 Internet Service Provider.

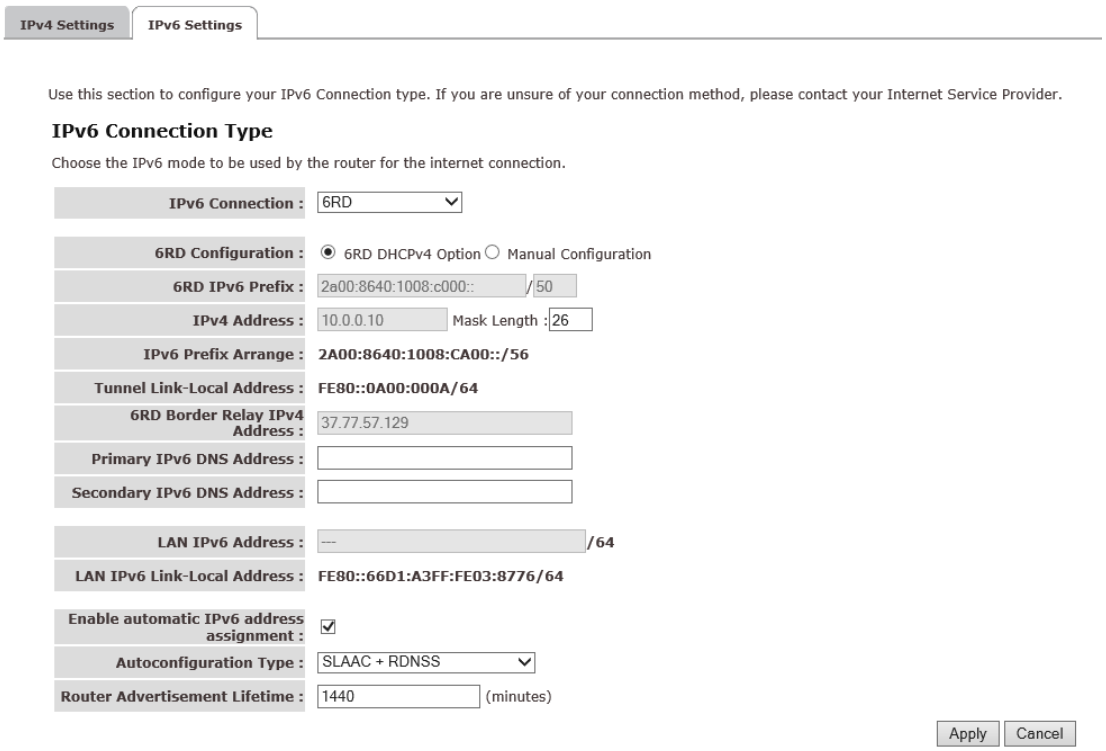
Static IPv6 Mode

This mode is used when your ISP provides you with a set IPv6 addresses that does not change. The IPv6 information is manually entered in your IPv6 configuration settings. You must enter the IPv6 address, Subnet Prefix Length, Default Gateway, Primary DNS Server and Secondary DNS Server. Your ISP provides you with all this information.


IPv4 Settings
IPv6 Settings
Use this section to configure your IPv6 Connection type. If you are unsure of your connection method, please contact your Internet Service Provider.
IPv6 Connection Type
Choose the IPv6 mode to be used by the router for the internet connection.
IPv6 Connection :
Static IPv6
Use Link-Local Address :
IPv6 Address :
Subnet Prefix Length :
0
Default Gateway :
Primary IPv6 DNS Address :
Secondary IPv6 DNS Address :
LAN IPv6 Address :
/64
LAN IPv6 Link-Local Address :
FE80::66D1:A3FF:FE03:8776/64
Enable automatic IPv6 address assignment :
Autoconfiguration Type :
SLAAC + RDNSS
Router Advertisement Lifetime :
1440
(minutes)

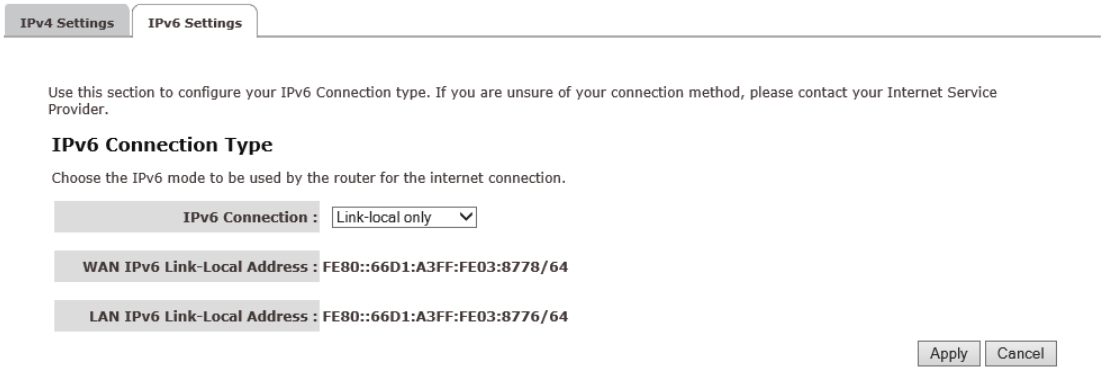
6RD Mode

In the 6RD mode, no additional configuration is necessary.



Link-local Mode

The Link-local address is used by nodes and routers when communicating with neighboring nodes on the same link. This mode enables IPv6-capable devices to communicate with each other on the LAN side.


IPv4 Settings
IPv6 Settings
Use this section to configure your IPv6 Connection type. If you are unsure of your connection method, please contact your Internet Service Provider.
IPv6 Connection Type
Choose the IPv6 mode to be used by the router for the internet connection.
IPv6 Connection :
Link-local only
WAN IPv6 Link-Local Address :
FE80::66D1:A3FF:FE03:8778/64
LAN IPv6 Link-Local Address :
FE80::66D1:A3FF:FE03:8776/64
Apply
Cancel

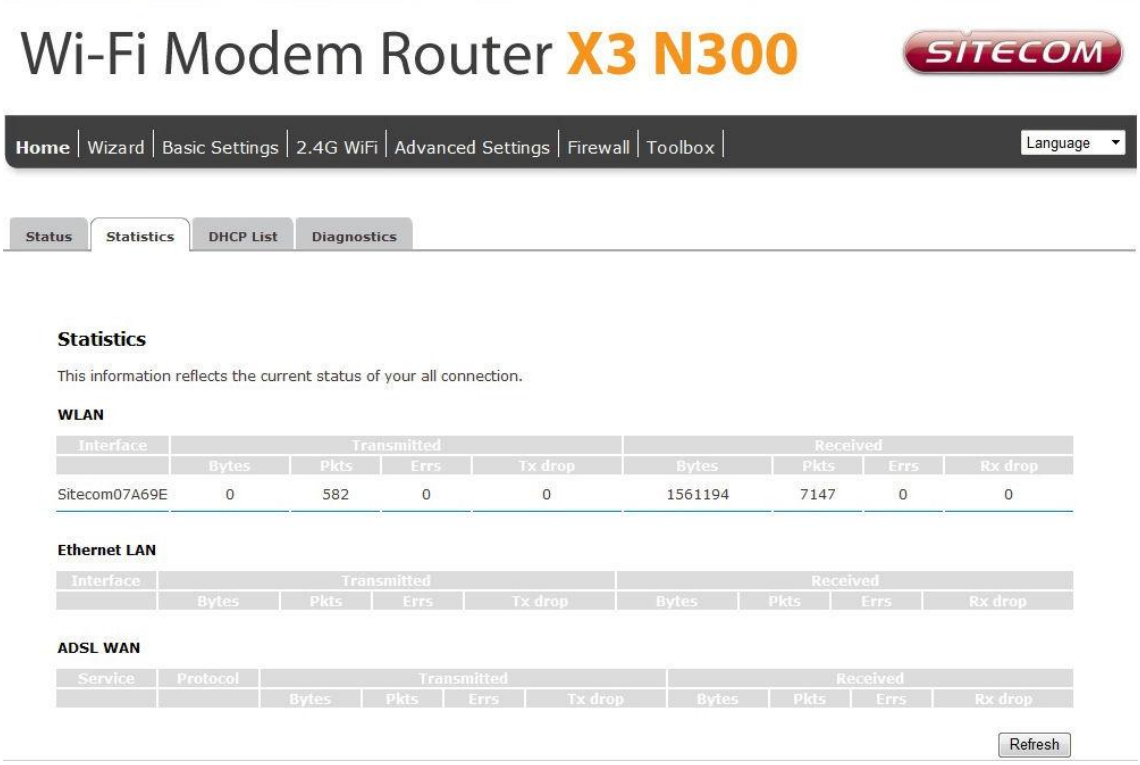
Status

The pages in the status section provide you general information about the operational status of your device.

Status

The System status section allows you to monitor the current status of your modem/router: the UP time, hardware information, serial number as well as firmware version information is displayed here. The page also shows extensive information concerning the ADSL status and current settings.

Statistics


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Status | Statistics | DHCP List | Diagnostics
Statistics
This information reflects the current status of your all connection.
WLAN
Interface | Transmitted | | | | Received | | | |
Bytes | Pkts | Errs | Tx drop | Bytes | Pkts | Errs | Rx drop
Sitecom07A69E | 0 | 582 | 0 | 0 | 1561194 | 7147 | 0 | 0
Ethernet LAN
Interface | Transmitted | | | | Received | | | |
Bytes | Pkts | Errs | Tx drop | Bytes | Pkts | Errs | Rx drop
ADSL WAN
Service | Protocol | Transmitted | | | | Received | | | |
Bytes | Pkts | Errs | Tx drop | Bytes | Pkts | Errs | Rx drop
Refresh

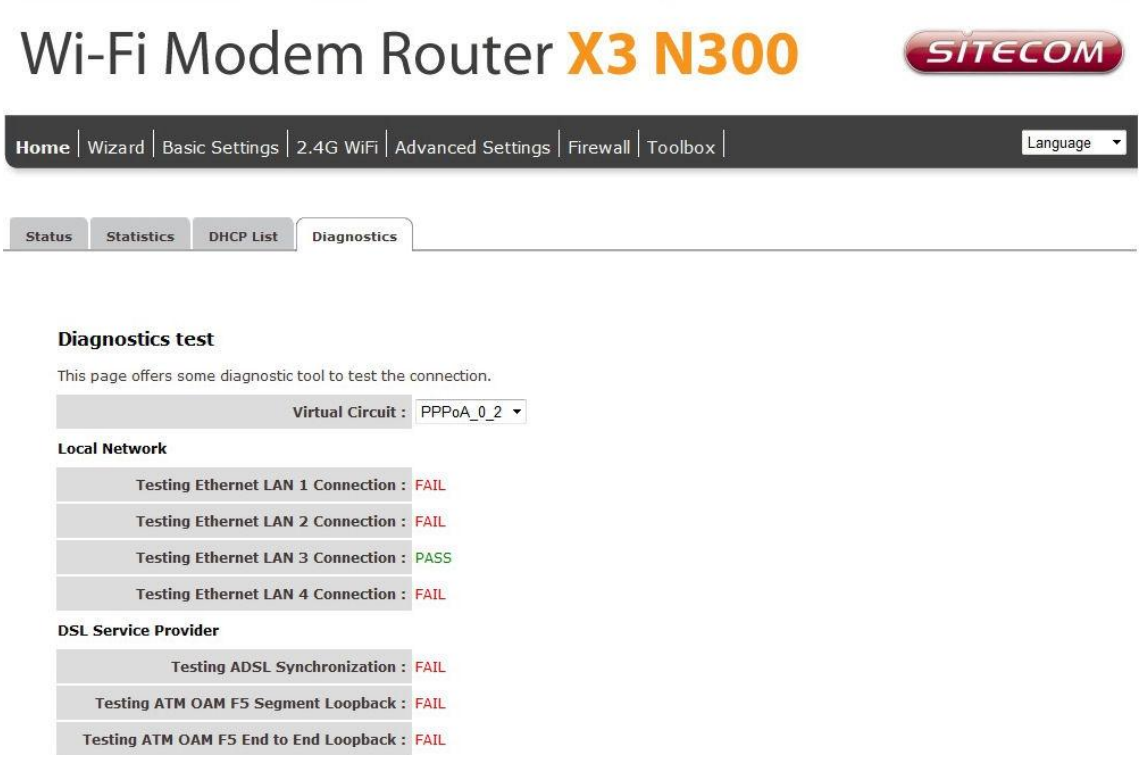
You can view statistics on the processing of IP packets on the networking interfaces. You will not typically need to view this data, but you may find it helpful when working with your ISP to diagnose network and Internet data transmission problems. To display statistics for any new data, click “Refresh”.

DHCP List

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Status | Statistics | DHCP List | Diagnostics
Active DHCP Clients table
This table shows the assigned IP Address, corresponding MAC Address and expiration time of the connected clients.
| Hostname | MAC Address | IP Address | Expiration time
1 | EdgePC | c8:0a:a9:10:bf:0c | 192.168.0.100 | 85498

This page shows all DHCP clients (LAN PCs) currently connected to your network. The table shows the assigned IP address, MAC address and expiration time for each DHCP leased client.

Diagnostics


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Status | Statistics | DHCP List | Diagnostics
Diagnostics test
This page offers some diagnostic tool to test the connection.
Virtual Circuit : PPPoA_0_2
Local Network
Testing Ethernet LAN 1 Connection : FAIL
Testing Ethernet LAN 2 Connection : FAIL
Testing Ethernet LAN 3 Connection : PASS
Testing Ethernet LAN 4 Connection : FAIL
DSL Service Provider
Testing ADSL Synchronization : FAIL
Testing ATM OAM F5 Segment Loopback : FAIL
Testing ATM OAM F5 End to End Loopback : FAIL

The Diagnostics page allows you to test the current configuration.

Click ‘Start’ to let the modem router perform several tasks to verify if the connection is operational.

Configuration Wizard

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Automatic detection Internet settings
Click the "Start Scan" button to automatically start scanning your ADSL configuration settings, or click "Skip Scan" to select your ADSL settings manually.
Start Scan
Skip Scan

Click Wizard to configure the modem. The Setup wizard will now be displayed; check that the adsl line is connected and click "Start Scan" to do an automatic detection of the ADSL settings. If you want to configure the modem manually you can click "Skip Scan".

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Select your country and ISP
Country :
-- Select Country --
ISP :
-- Choose your provider --
Previous
Next

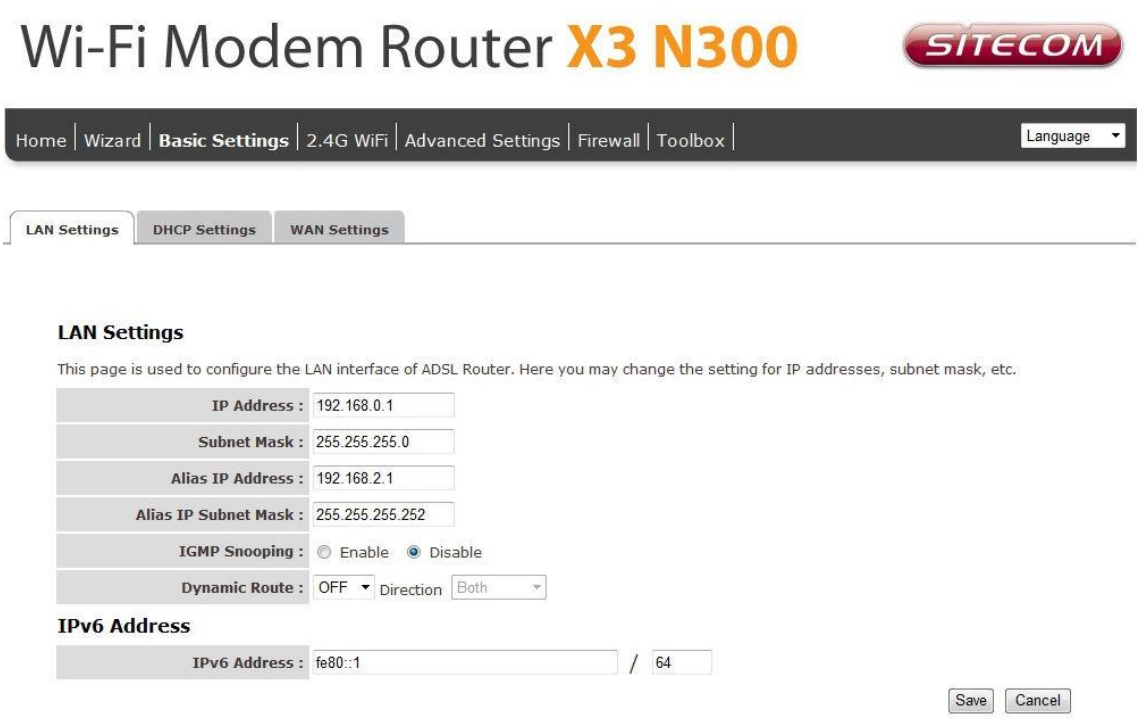
Select your country from the Country list. Select your internet provider. Click Next.

Depending on the chosen provider, you may need to enter your user name and password or hostname in the following window. After you have entered the correct information, click Next.

Click Finish to complete the configuration.

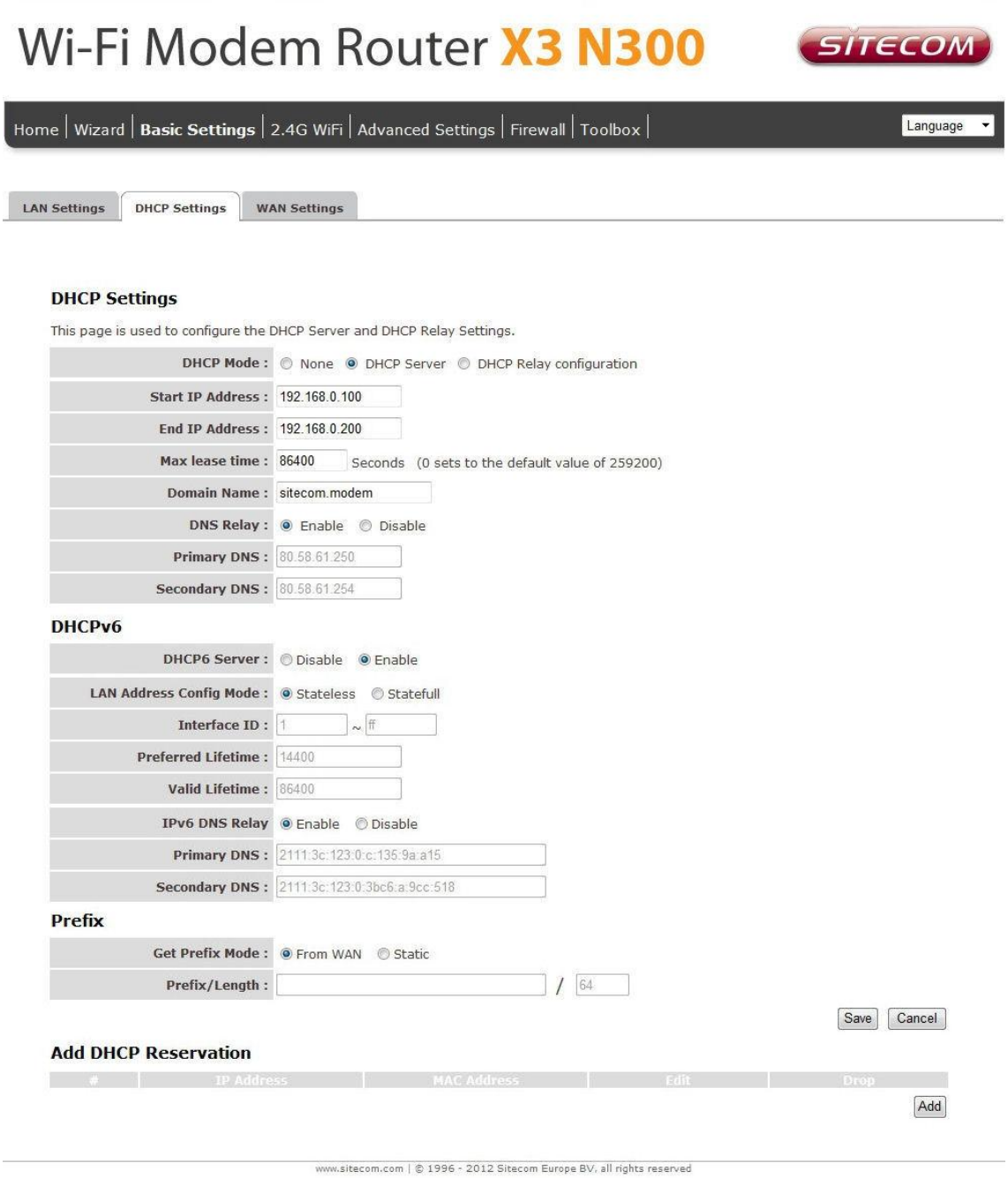
Basic Settings

LAN Settings


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
LAN Settings
DHCP Settings
WAN Settings
LAN Settings
This page is used to configure the LAN interface of ADSL Router. Here you may change the setting for IP addresses, subnet mask, etc.
IP Address : 192.168.0.1
Subnet Mask : 255.255.255.0
Alias IP Address : 192.168.2.1
Alias IP Subnet Mask : 255.255.255.252
IGMP Snooping : Enable Disable
Dynamic Route : OFF Direction Both
IPv6 Address
IPv6 Address : fe80::1 / 64
Save
Cancel

This page is used to configure the LAN interface of your ADSL Router. You can set IP address, subnet mask, and IGMP Snooping or modify the IPv6 address range .

DHCP Settings


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
LAN Settings
DHCP Settings
WAN Settings
DHCP Settings
This page is used to configure the DHCP Server and DHCP Relay Settings.
DHCP Mode : None DHCP Server DHCP Relay configuration
Start IP Address : 192.168.0.100
End IP Address : 192.168.0.200
Max lease time : 86400 Seconds (0 sets to the default value of 259200)
Domain Name : sitecom.modem
DNS Relay : Enable Disable
Primary DNS : 80.58.61.250
Secondary DNS : 80.58.61.254
DHCPv6
DHCP6 Server : Disable Enable
LAN Address Config Mode : Stateless Statefull
Interface ID : 1 ~ ff
Preferred Lifetime : 14400
Valid Lifetime : 86400
IPv6 DNS Relay Enable Disable
Primary DNS : 2111:3c:123:0:c:135:9a:a15
Secondary DNS : 2111:3c:123:0:3bc6:a:9cc:518
Prefix
Get Prefix Mode : From WAN Static
Prefix/Length : / 64
Save Cancel
Add DHCP Reservation
IP Address MAC Address Edit Drop
Add
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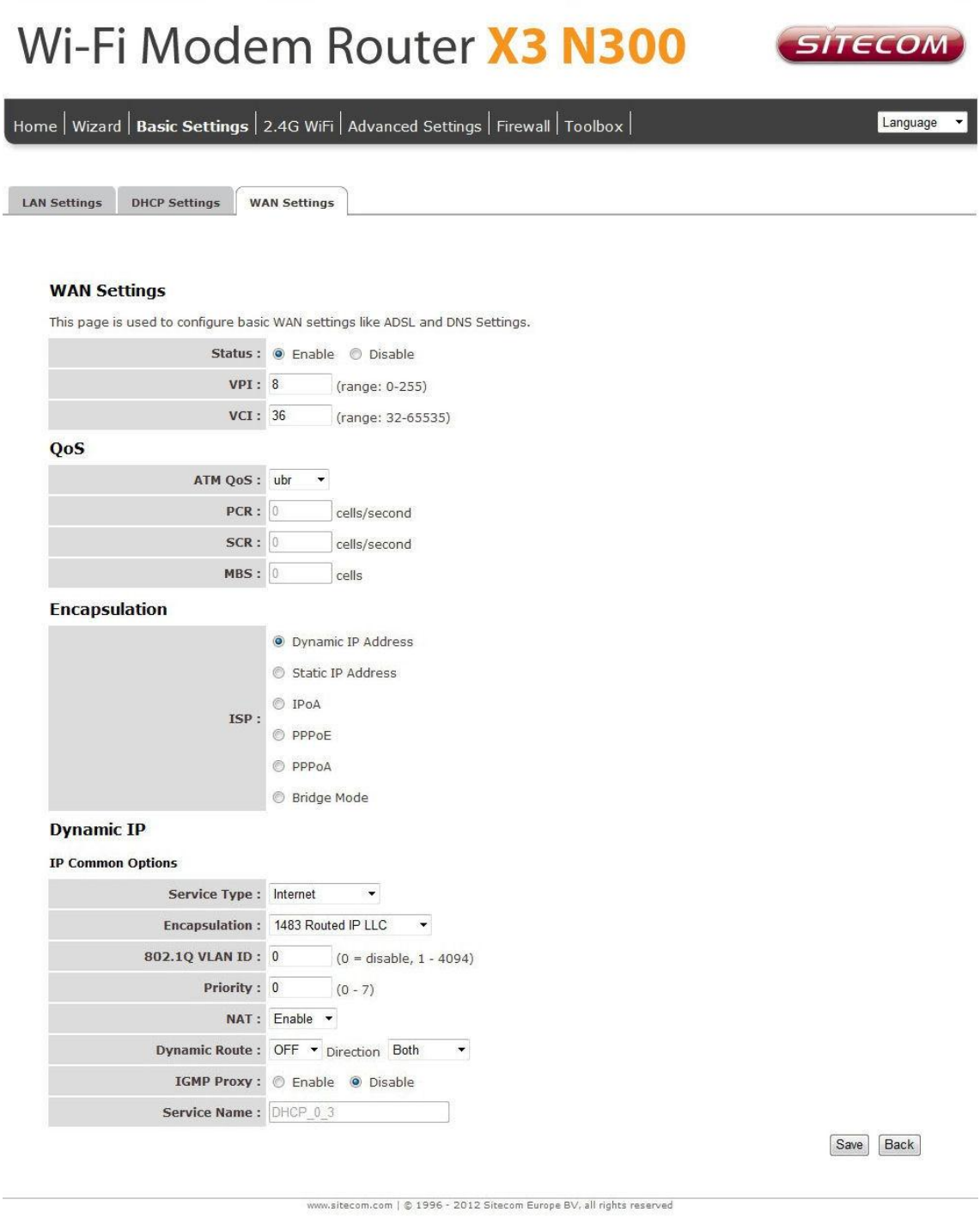
You can configure your network and the router to use the Dynamic Host Configuration Protocol (DHCP). This page allows you to select the DHCP mode that this router will support.

There are two different DHCP Modes: DHCP Server and DHCP Relay. When the router is acting as DHCP server, please configure the router in the “DHCP Server” page; while acting as DHCP Relay, you can setup the relay in the “DHCP Relay” page.

WAN Settings


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
LAN Settings
DHCP Settings
WAN Settings
WAN Settings
This page is used to configure basic WAN settings like ADSL and DNS Settings.
Status : Enable Disable
VPI : 8 (range: 0-255)
VCI : 36 (range: 32-65535)
QoS
ATM QoS : ubr
PCR : 0 cells/second
SCR : 0 cells/second
MBS : 0 cells
Encapsulation
ISP : Dynamic IP Address
Static IP Address
IPoA
PPPoE
PPPoA
Bridge Mode
Dynamic IP
IP Common Options
Service Type : Internet
Encapsulation : 1483 Routed IP LLC
802.1Q VLAN ID : 0 (0 = disable, 1 - 4094)
Priority : 0 (0 - 7)
NAT : Enable
Dynamic Route : OFF Direction Both
IGMP Proxy : Enable Disable
Service Name : DHCP_0_3
Save
Back
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This page allows you to manually configure the ADSL/WAN settings. The settings on this page require some knowledge concerning the WAN configuration. We advise less-experienced users to configure the WAN settings using the Wizard.

VPI (Virtual Path Identifier) and VCI (Virtual Channel Identifier) define a virtual circuit.

VPI: The valid range for the VPI is 0 to 255. Enter the VPI assigned to you. This field may already be configured.
VCI: The valid range for the VCI is 32 to 65535. Enter the VCI assigned to you. This field

may already be configured.
ATM QoS: Select CBR to specify fixed (always-on) bandwidth for voice or data traffic. Select UBR for applications that are non-time sensitive, such as e-mail. Select VBR for burst traffic and bandwidth sharing with other applications.
PCR: Divide the DSL line rate (bps) by 424 (the size of an ATM cell) to find the Peak Cell Rate (PCR). This is the maximum rate at which the sender can send cells.
SCR: The Sustain Cell Rate (SCR) sets the average cell rate (long-term) that can be transmitted.
MBS: Maximum Burst Size (MBS) refers to the maximum number of cells that can be sent at the peak rate. Type the MBS, which is less than 65535

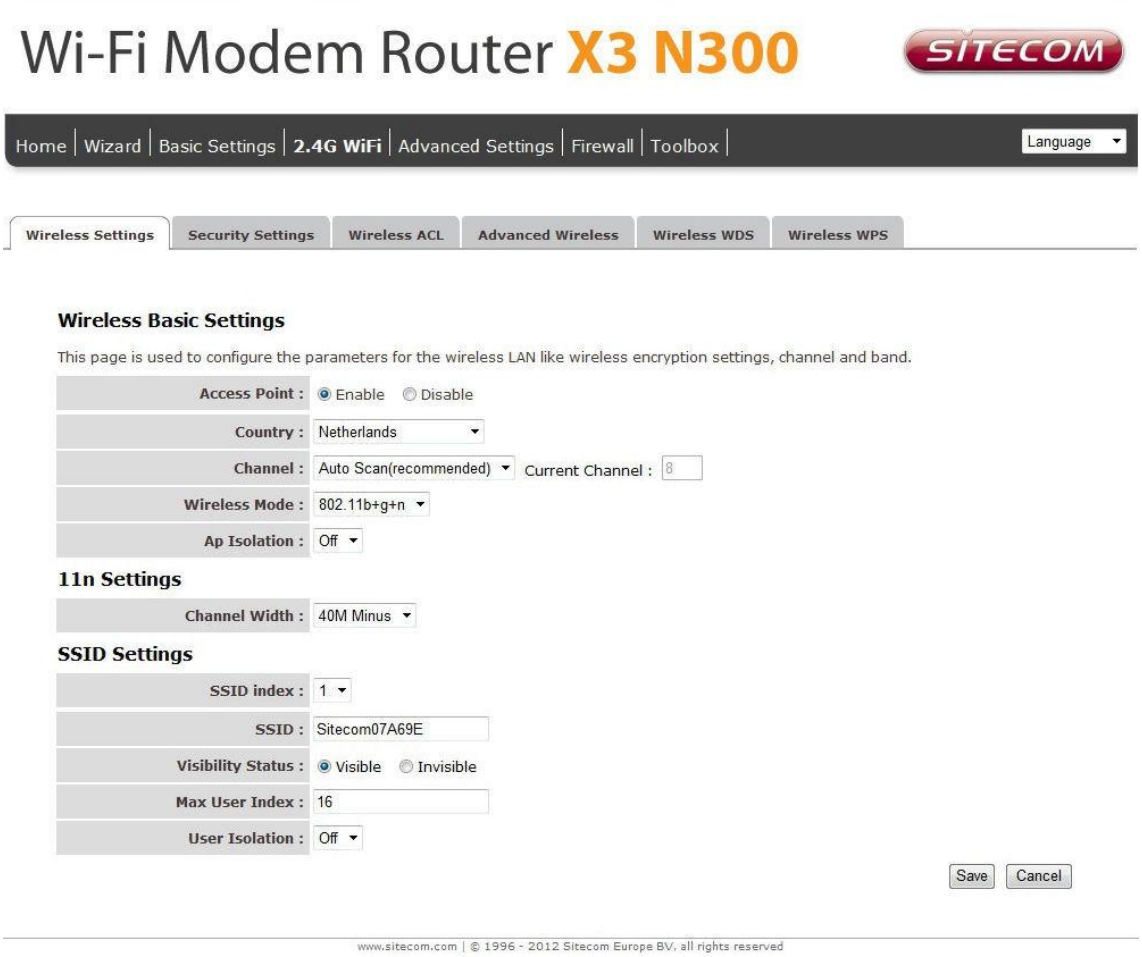
Encapsulation:

Select the encapsulation type your ISP uses from the Encapsulation list. Choices vary depending on what you select in the Mode field. If you select Bridge in the Mode field, select 1483 Bridged IP. If you select Routing in the Mode field, select PPPoA, 1483 Bridged IP, 1483 Router IP or PPPoE.

PPPoE/PPPoA

User Name: Enter the user name exactly as your ISP assigned.
Password: Enter the password associated with the user name above.
Encapsulation: select Bridge in the Mode field, select either PPPoA or RFC 1483. Select Routing in the Mode field, select PPPoA, RFC 1483, ENET ENCAP or PPPoE.
Multiplex: Select the method of multiplexing used by your ISP. Choices are VC or LLC.
Connection: The schedule rule(s) have priority over your Connection settings.
Always on: Select Always on Connection when you want your connection up all the time.
Connect on Demand: Select Connect on Demand when you don't want the connection up all the time and specify an idle time-out in the Max Idle Timeout field
Get IP Address: Choose Static or Dynamic
Static IP Address: Enter the IP address of ADSL Router in dotted decimal notation, for example, 192.168.1.254 (factory default).
IP Subnet Mask: The default is 255.0.0.0. User can change it to other such as 255.255.255.0.Type the subnet mask assigned to you by your ISP (if given).
Gateway: You must specify a gateway IP address (supplied by your ISP) when you use 1483 Bridged IP in the Encapsulation field in the previous screen.
Network Address Translation: Select None, Many to One or Many to Many from the drop-sown list box. Refer to the NAT chapter for more details.
RIP Version: Select the RIP version from RIP-1, RIP-2B and RIP-2M.
RIP Direction: Select the RIP direction from None, Both, In Only and Out Only.
Multicast: IGMP (Internet Group Multicast Protocol) is a network-layer protocol used to establish membership in a Multicast group - it is not used to carry user data.

2.4GHz/5GHz WiFi


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Wireless Settings
Security Settings
Wireless ACL
Advanced Wireless
Wireless WDS
Wireless WPS
Wireless Basic Settings
This page is used to configure the parameters for the wireless LAN like wireless encryption settings, channel and band.
Access Point : Enable Disable
Country : Netherlands
Channel : Auto Scan(recommended) Current Channel : 8
Wireless Mode : 802.11b+g+n
Ap Isolation : Off
11n Settings
Channel Width : 40M Minus
SSID Settings
SSID index : 1
SSID : Sitecom07A69E
Visibility Status : Visible Invisible
Max User Index : 16
User Isolation : Off
Save
Cancel
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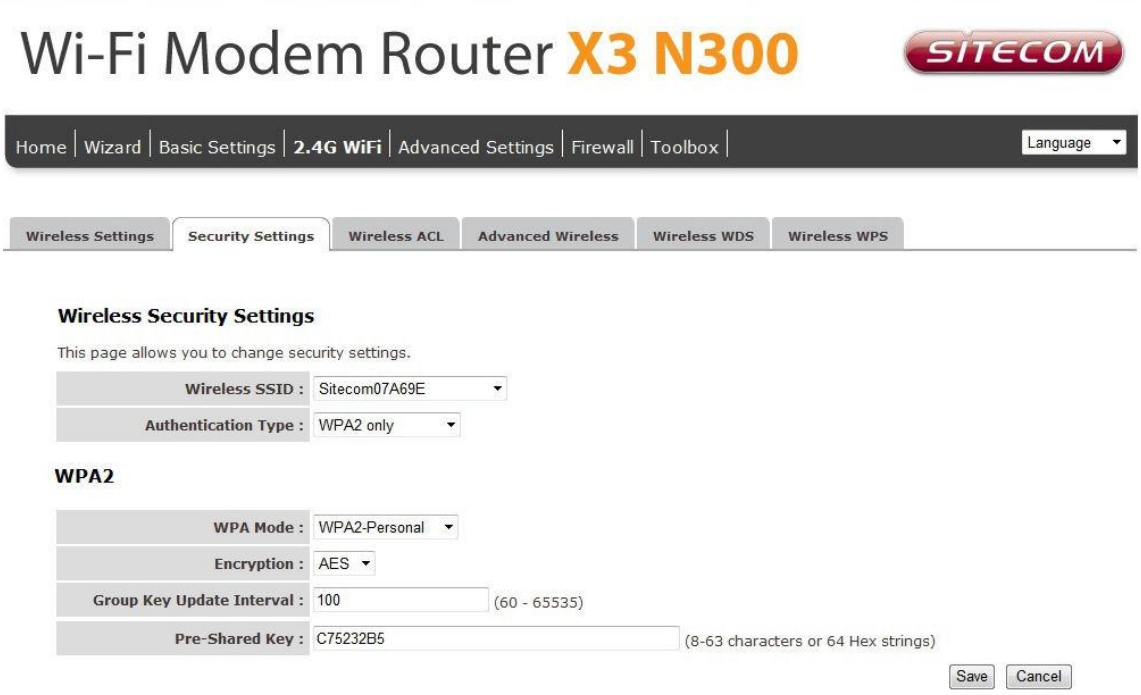
This section provides the wireless network settings for your router. You can enable and configure the wireless AP function here.

SSID: The SSID (up to 32 printable ASCII characters) is the unique name identified in a WLAN. The ID prevents the unintentional merging of two co-located WLANs.
Channel Width: Set channel width of wireless radio. Do not modify default value if you don't know what it is, default setting is 'Auto 20/40 MHz'.
Channel Number: It is the radio channel used by the wireless LAN. All devices in the same wireless LAN should use the same channel. Please select the country you are located and designate a channel that the router will use. If you want to let the router automatically to find an available channel with the highest signal strength, please select "Auto".

When you finish, click 'Save' to save the settings made and restart the router so the settings will take effect after it reboots.

Security Settings



This router provides complete wireless LAN security functions, include WEP, IEEE 802.1x, IEEE 802.1x with WEP, WPA with pre-shared key and WPA with RADIUS. With these security functions, you can prevent your wireless LAN from illegal access. Please make sure your wireless stations use the same security function.

Encryption: You can choose "None" to disable the encryption or select "WEP", "WPA(TKIP)", "WPA2(AES)" or "WPA2 Mixed" mode for security. When "WEP" is enabled, please click "Set WEP Key" button to choose the default key and set the four sets of WEP keys.
WEP: WEP is less level of security than WPA. WEP supports 64-bit and 128-bit key lengths to encrypt the wireless data.
WPA(TKIP): WPA uses Temporal Key Integrity Protocol (TKIP) for data encryption. TKIP utilized a stronger encryption method and incorporates Message Integrity Code (MIC) to provide protection against hackers.
WPA2(AES): WPA2, also known as 802.11i, uses Advanced Encryption Standard (AES) for data encryption. AES utilized a symmetric 128-bit block data encryption.
WPA Mixed: The router supports WPA (TKIP) and WPA2 (AES) for data encryption. The actual selection of the encryption methods will depend on the clients.
Use 802.1x Authentication: IEEE 802.1x is an authentication protocol. Every user must use a valid account to login to this wireless router before accessing the wireless LAN. The authentication is processed by a RADIUS server. Check this box to authenticates user by IEEE 802.1x.
WEP-64Bits: WEP is less level of security than WPA. WEP supports 64-bit and 128-bit key lengths to encrypt the wireless data. The longer key length will provide higher security. When "WEP-64Bits" is selected, you have to enter exactly 5 ASCII characters ("a-z" and "0-9") or 10 hexadecimal digits ("0-9", "a-f") for each Key (1-4).
WEP-128Bits: When "WEP-128Bits" is selected, you have to enter exactly 13 ASCII characters ("a-z" and "0-9") or 26 hexadecimal digits ("0-9", "a-f") for each Key (1-4).

WPA Authentication Mode: There are two types of authentication mode for WPA.

Enterprise (RADIUS): It uses an external RADIUS server to perform user authentication. To use RADIUS, enter the IP address of the RADIUS server, the RADIUS port (default is 1812) and the shared secret from the RADIUS server. Please refer to "Authentication RADIUS Server" setting below for RADIUS setting.
Personal (Pre-Shared Key): Pre-Shared Key authentication is based on a shared secret that is known only by the parties involved. To use WPA Pre-Shared Key, select key format and enter a password in the "Pre-Shared Key Format" and "Pre-Shared Key" setting respectively.

Pre-Shared Key Format: You may select to select Passphrase (alphanumeric format) or Hexadecimal Digits (in the "A-F", "a-f" and "0-9" range) to be the Pre-shared Key. For example:

Passphrase: "iamguest"

Hexadecimal Digits: "12345abcde"

Pre-Shared Key: Please enter 8-63 characters as the "Pre-Shared Key".
Authentication RADIUS Server: Enter the port (default is 1812), the IP address and the password of external RADIUS server are specified here.

When you finish, click 'save' to save the settings made and restart the router so the settings will take effect after it reboots.

Wireless ACL

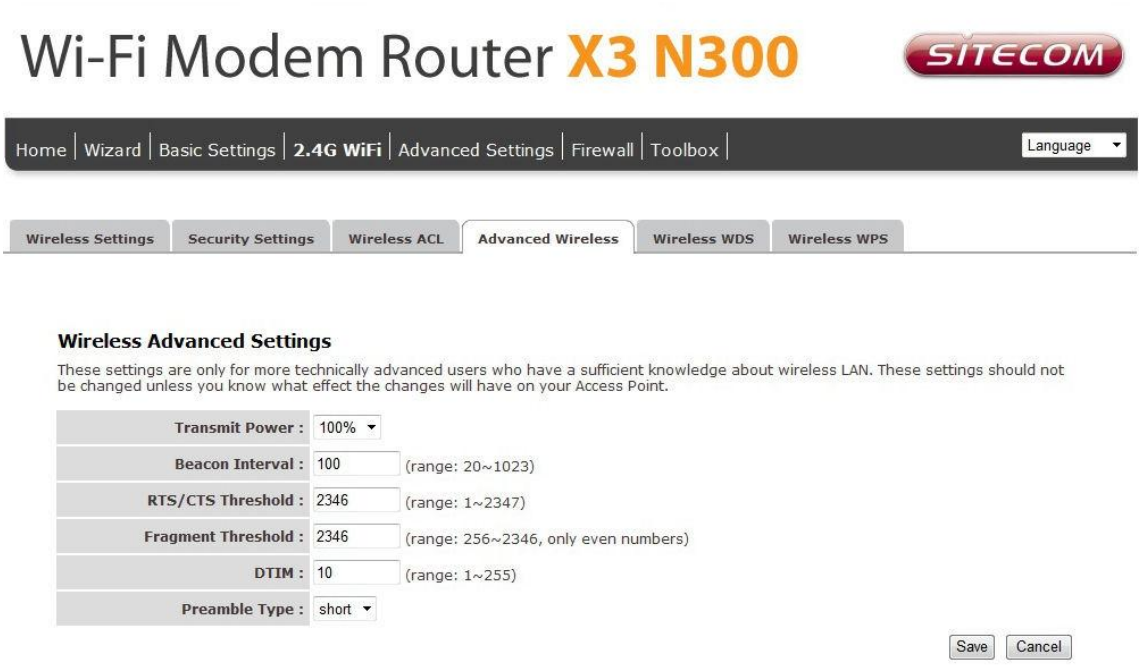
This wireless router supports MAC Address Control, which prevents unauthorized clients from accessing your wireless network.

Active: Choose to either Enable or Disable the Wireless Access Control

Allow: Only allow the wireless clients with the MAC Address you have specified can access to the router.
Deny: The wireless clients with the MAC Address you have specified will be denied accessing to the router.
MAC Address: Enter the MAC Address of the wireless clients for the filtering control.

When you finish, click 'Submit' to save the settings made and restart the router so the settings will take effect after it reboots.

Advanced Wireless


Wi-Fi Modem Router X3 N300
SITECOM
Home
Wizard
Basic Settings
2.4G WiFi
Advanced Settings
Firewall
Toolbox
Language
Wireless Settings
Security Settings
Wireless ACL
Advanced Wireless
Wireless WDS
Wireless WPS
Wireless Advanced Settings
These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.
Transmit Power : 100%
Beacon Interval : 100 (range: 20~1023)
RTS/CTS Threshold : 2346 (range: 1~2347)
Fragment Threshold : 2346 (range: 256~2346, only even numbers)
DTIM : 10 (range: 1~255)
Preamble Type : short
Save
Cancel

This page allows advanced users who have sufficient knowledge of wireless LAN. These setting shall not be changed unless you know exactly what will happen for the changes you made on your router.

Transmit Power: Set the maximum output power of the router. The higher output power, the wider the coverage range is.
Beacon Interval: The interval of time that this wireless router broadcast a beacon. Beacon is used to synchronize the wireless network. The range for the beacon period is between 20 and 1024 with a default value of 100 (milliseconds).
RTS/CTS Threshold: This value should remain at its default setting of 2347. Should you encounter inconsistent data flow, only minor modifications are recommended. If a network packet is smaller than the preset "RTS threshold" size, the RTS/CTS mechanism will not be enabled. The wireless router sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission.
Fragment Threshold: Fragment Threshold specifies the maximum size of packet during the fragmentation of data to be transmitted. If you set this value too low, it will result in bad performance. Enter a value from 256 to 2346.

When you finish, click ‘Save’ to save the settings made and restart the router so the settings will take effect after it reboots.

Wireless WPS

Wi-Fi Protected Setup (WPS) is the simplest way to establish a connection between the wireless clients and the wireless router. You don’t have to select the encryption mode and fill in a long encryption passphrase every time when you try to setup a wireless connection. You only need to press a button on both wireless client and wireless router, and WPS will do the rest for you.

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Wireless Settings | Security Settings | Wireless ACL | Advanced Wireless | Wireless WDS | Wireless WPS
WPS Settings
This page allows you to change WPS settings,and the WPS condition must be WPA-PSK or WPA2-PSK security mode , and the SSID should be broadcasted .
Wireless SSID : Sitecom07A69E
WPA Mode : WPA2-PSK
WPS Config
Use WPS : Enable Disable
Push Button : PBC
Input PIN Number : PIN
WPS Session Status :
Save Cancel

SSID: This is the network broadcast name (SSID) of the router.

Use WPS: Check the box to enable WPS function and uncheck it to disable the WPS function.
Push Button: Press the button to start the WPS process. The router will wait for the WPS request from the wireless devices within 2 minutes.
Input PIN Number: You can fill-in the PIN code of the wireless device and press the button to start the WPS process. The router will wait for the WPS request from the wireless device within 2 minutes.

Advanced Settings

QoS

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
Quality of Service
Configuration of classification table for IP QoS.
QoS : Enable Disable
QoS Queue
Direction : Uplink(LAN -> WAN) Downstream(WAN -> LAN)
Queue Enable : Enable Disable
Bandwidth : 0 Kbps (0 means no limit bandwidth)
Discipline : WRR Strict Priority
WRR weight : Highest :0 High :0 Medium :0 Low :0 (sum should be less or equal than 100)
Eanble DSCP ReMark :
Eanble 802.1p ReMark :
Save Cancel

QoS allows you to classify Internet application traffic by source/destination IP address and port number. You can assign priority for each type of application and reserve bandwidth for it. The packets of applications with higher priority will always go first. Lower priority applications will get bandwidth after higher priority applications get enough bandwidth. This can let you have a better experience in using critical real time services like Internet phone, video conference …etc. All the applications not specified by you are classified as rule name "Others". The rule with a smaller priority number has a higher priority; the rule with a larger priority number has a lower priority. You can adjust the priority of the rules by moving them up or down.

Enable/Disable QoS: You can check "Enable QoS" to enable QoS functionality for the WAN port.
Add a rule: Enter all the data required for the rule you wish to set and click Add to save this rule.
Edit a QoS rule: Select the rule you want to edit and click "Edit", then enter the detail form of the QoS rule. Click "Apply" after editing the form and the rule will be saved.
Discipline: Save allows to save the selected Qos discipline without changing the current rules.

Click 'Add' To save and apply the new rule.

UPnP

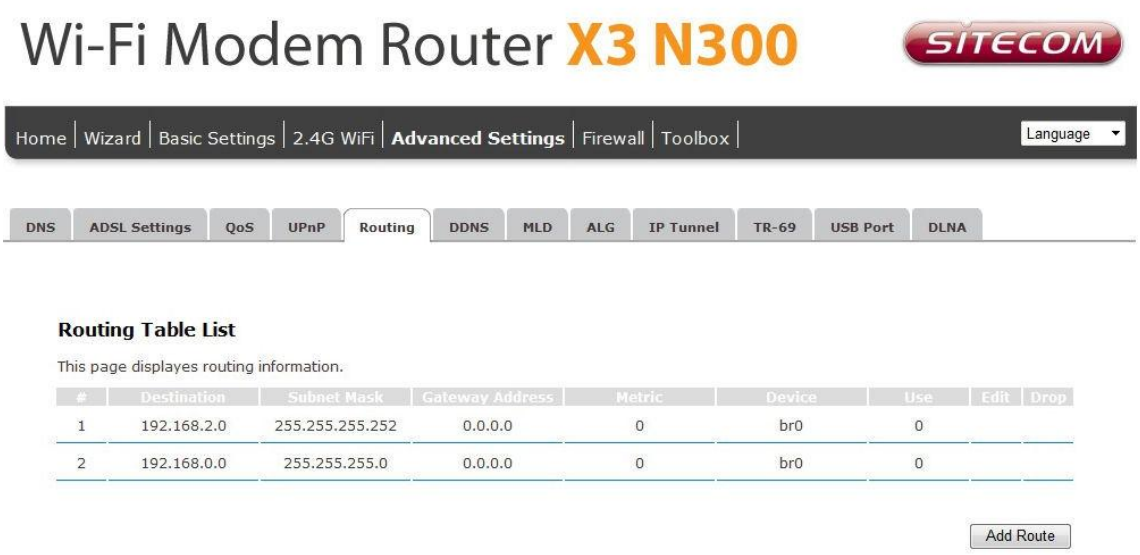
Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
UPnP Configuration
This page is used to configure UPnP. The system acts as a daemon when you enable it.
UPnP : Enable Disable
WAN Connection :
LAN Connection :
Save Cancel

When the UPnP function is enabled, the router can be detected by UPnP compliant system such as Windows 7. The router will be displayed in the Neighborhood of Windows 7, so you can directly double click the router or right click the router and select "Invoke" to configure the router through web browser.

UPnP: Enable or disable UPnP feature.

When you finish, click 'Save' to save the settings made and restart the router so the settings will take effect after it reboots.

Routing

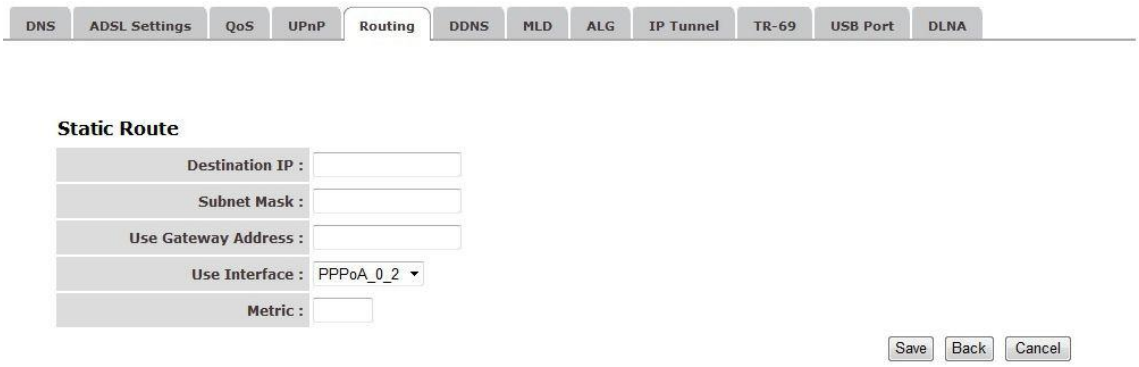

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
Routing Table List
This page displayes routing information.
Destination Subnet Mask Gateway Address Metric Device Use Edit Drop
1 192.168.2.0 255.255.255.252 0.0.0.0 0 br0 0
2 192.168.0.0 255.255.255.0 0.0.0.0 0 br0 0
Add Route

The page enables you to define specific route for your Internet and network data.

Most users do not need to define routes. On a typical small home or office LAN, the existing routes that set up the default gateways for your LAN hosts and for the router provide the most appropriate path for all your Internet traffic.

You may need to define routes if your home setup includes two or more networks or subnets, if you connect to two or more ISP services, or if you connect to a remote corporate LAN.

Click ‘Add route’ to add a self-defined route.



Destination IP: The destination can be specified as the IP address of a subnet or a specific host in the subnet. It can also be specified as all zeros to indicate that this route should be used for all destinations for which no other route is defined (this is the route that creates the default gateway).
Subnet Mask: The network mask of the destination subnet. The default gateway uses a mask of 0.0.0.0.
Gateway Adress: The Gateway IP that should be used enter an address or select a pvc channel
Metric: Defines the number of hops between network nodes that data packets travel. The default value is 0, which means that the subnet is directly one hop away on the local LAN network.

When you finish, click ‘Save’ to save the settings and restart the router so the settings will take effect after it reboots.

DDNS

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
Dynamic DNS Configuration
This page is used to configure the Dynamic DNS.
| Hostname | Username | Service | Interface | Edit | Drop
Add

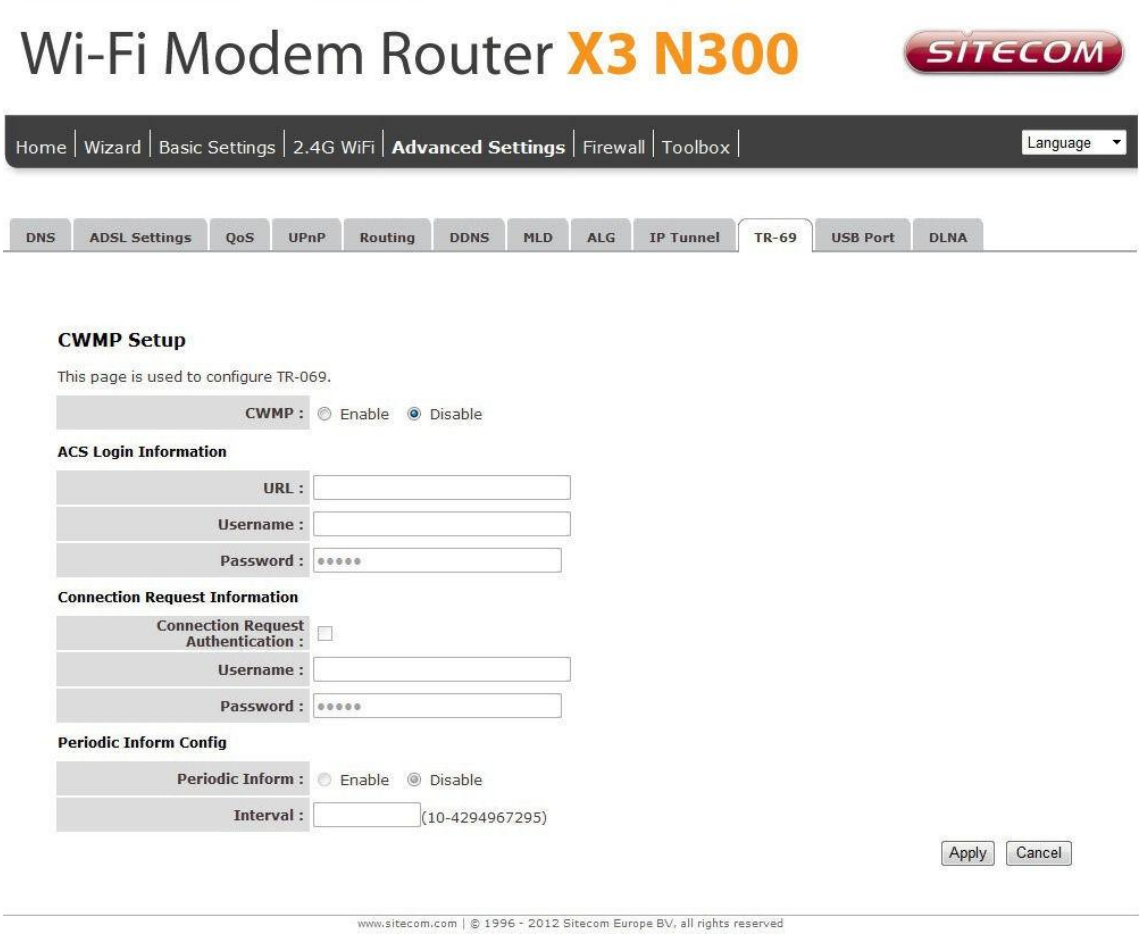
Dynamic DNS (DDNS) allows you to map the static domain name to a dynamic IP address. You must get an account, password and your static domain name from the DDNS service providers.

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
DDNS provider : DynDNS.org
Hostname :
Interface : PPPoA_0_2
Username :
Password :
Apply | Back | Cancel

DDNS Provider: Select your DDNS service provider here.
Host Name: Enter the domain name you've obtained from DDNS service provider.
Username: Enter the username assigned by the DDNS service provider.
Password: Enter the password assigned by the DDNS service provider.

When you finish, click 'Save' to save the settings made and restart the router so the settings will take effect after it reboots.

TR-69


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
DNS | ADSL Settings | QoS | UPnP | Routing | DDNS | MLD | ALG | IP Tunnel | TR-69 | USB Port | DLNA
CWMP Setup
This page is used to configure TR-069.
CWMP : Enable Disable
ACS Login Information
URL :
Username :
Password :
Connection Request Information
Connection Request Authentication :
Username :
Password :
Periodic Inform Config
Periodic Inform : Enable Disable
Interval : (10-4294967295)
Apply Cancel
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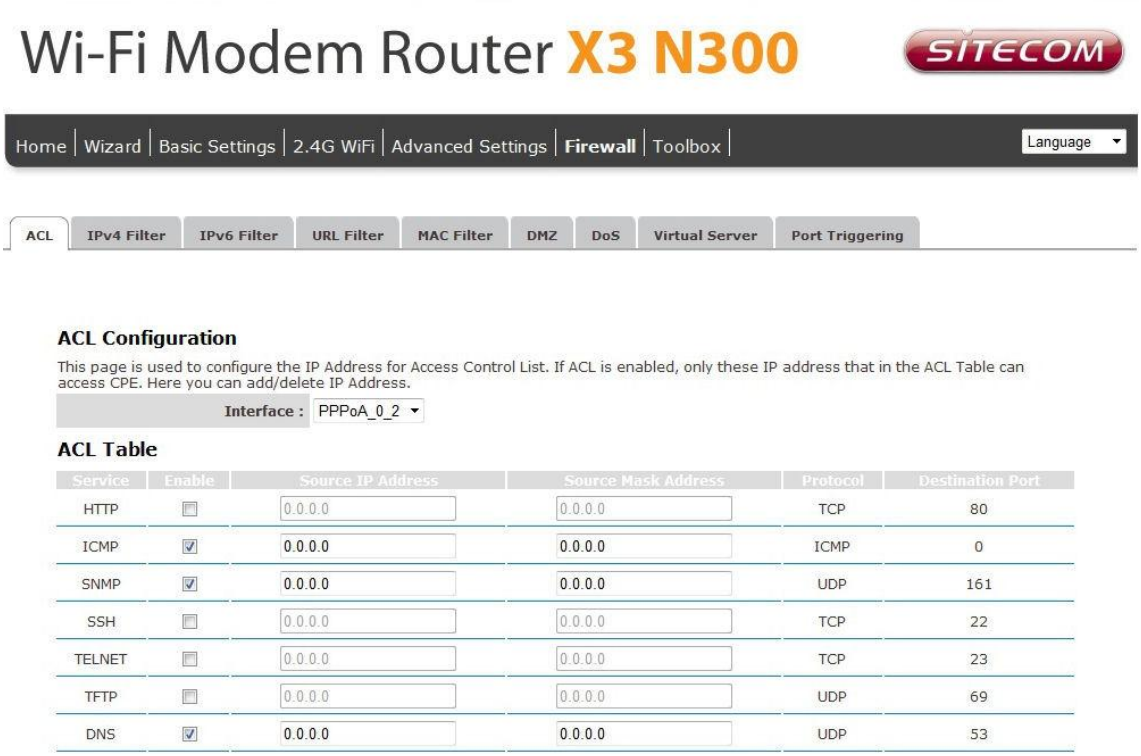
As a bidirectional SOAP/HTTP-based protocol, it provides the communication between customer-premises equipment (CPE) and Auto Configuration Servers (ACS). It includes both a safe auto configuration and the control of other CPE management functions within an integrated framework. In the course of the boom of the broadband market, the number of different Internet access possibilities grew as well (e.g. modems, routers, gateways, set-top box, VoIP-phones). At the same time the configuration of this equipment became more complicated -- too complicated for the end-users. For this reason the TR-069 standard was developed. It provides the possibility of auto configuration of these access types. The technical specifications are managed and published by the Broadband Forum. Using TR-069, the terminals can get in contact with the Auto Configuration Servers (ACS) and establish the configuration automatically. Accordingly other service functions can be provided. TR-069 is the current standard for activation of terminals in the range of DSL broadband market.

Firewall

The Broadband router provides extensive firewall protection by restricting connection parameters, thus limiting the risk of hacker attacks, and defending against a wide array of common Internet attacks. However, for applications that require unrestricted access to the Internet, you can configure a specific client/server as a Demilitarized Zone (DMZ).

ACL

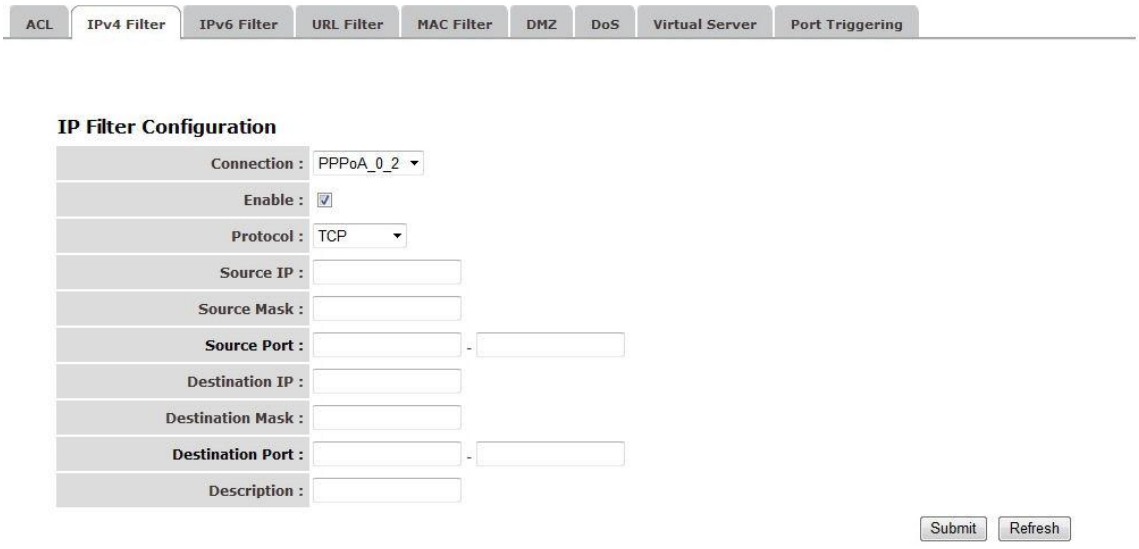

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
ACL Configuration
This page is used to configure the IP Address for Access Control List. If ACL is enabled, only these IP address that in the ACL Table can access CPE. Here you can add/delete IP Address.
Interface : PPPoA_0_2
ACL Table
Service | Enable | Source IP Address | Source Mask Address | Protocol | Destination Port
HTTP | 0.0.0.0 | 0.0.0.0 | TCP | 80
ICMP | 0.0.0.0 | 0.0.0.0 | ICMP | 0
SNMP | 0.0.0.0 | 0.0.0.0 | UDP | 161
SSH | 0.0.0.0 | 0.0.0.0 | TCP | 22
TELNET | 0.0.0.0 | 0.0.0.0 | TCP | 23
TFTP | 0.0.0.0 | 0.0.0.0 | UDP | 69
DNS | 0.0.0.0 | 0.0.0.0 | UDP | 53

This page is used to IP addresses for Access Control. If ACL is enabled only the IP Addresses that are in the ACL Table can access the CPE.

IP Filter

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox
Language
ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
IPv4 Filter Configuration
Use this page to configure a filter that allows or blocks IPv4 network traffic that matches a specified address or protocol.(WARNING: If you enabled SPI, all traffic initiated from WAN will be blocked. Including REMOTE ACL INPUT.)
Enable IP Filter :
Enable SPI :
Security Level : Low
Filter Model
WAN → LAN : White Black
LAN → WAN : White Black
Submit
Refresh

Click "Add a rule" to add a filtering rule.


ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
IP Filter Configuration
Connection : PPPoA_0_2
Enable :
Protocol : TCP
Source IP :
Source Mask :
Source Port :
Destination IP :
Destination Mask :
Destination Port :
Description :
Submit
Refresh

Enable: Select to enable IP filter rule.
Source IP: The source IP address or range of packets to be monitored.
Subnet Mask: It is the destination IP addresses based on above destination subnet IP
Source Port: This Port or Port Ranges defines the port allowed to be used by the Remote/WAN to connect to the application. Default is set from range 0 ~ 65535. It is recommended that this option be configured by an advanced user.
Destination IP: This is the destination subnet IP address.
Subnet Mask: It is the destination IP addresses based on above destination subnet IP
Destination Port: This is the Port or Port Ranges that defines the application.

When you finish, click 'Submit' to save the settings made.

IP Filter Listing

ACL
IPv4 Filter
IPv6 Filter
URL Filter
MAC Filter
DMZ
DoS
Virtual Server
Port Triggering
IPv4 Filter Configuration
Use this page to configure a filter that allows or blocks IPv4 network traffic that matches a specified address or protocol.(WARNING: If you enabled SPI, all traffic initiated from WAN will be blocked. Including REMOTE ACL INPUT.)
Enable IP Filter :
Enable SPI :
Security Level : Low
Filter Model
WAN → LAN : White Black
LAN → WAN : White Black
Submit
Refresh
Add IP filter rules :
Choose : WAN → LAN
Add a rule
Enable IP/Port(source) IP/Port (destination) Protocol Description Device Name Edit Drop

#: Item number.
Enable: Whether the connection is currently active.
Src IP Mask: The source IP address or range of packets to be monitored.
Dest IP Mask: This is the destination subnet IP address.
Protocol: It is the packet protocol type used by the application, select either TCP or UDP or ICMP
Src port: This Port or Port Ranges defines the port allowed to be used by the Remote/WAN to connect to the application. Default is set from range 0 ~ 65535. It is recommended that this option be configured by an advanced user.
Dest Port: This is the Port or Port Ranges that defines the application.

URL Filter

Here it's possible to block certain websites.

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox
Language
ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
URL Filter
This page allows you to block websites. If enabled, the websites listed here will be denied access to clients trying to browse that website.
Block Website
| URL | Schedule | Edit | Drop
Add

Enter the website you wish to block and make sure the rule is active.

Click 'Save' to apply the new rule.

DMZ

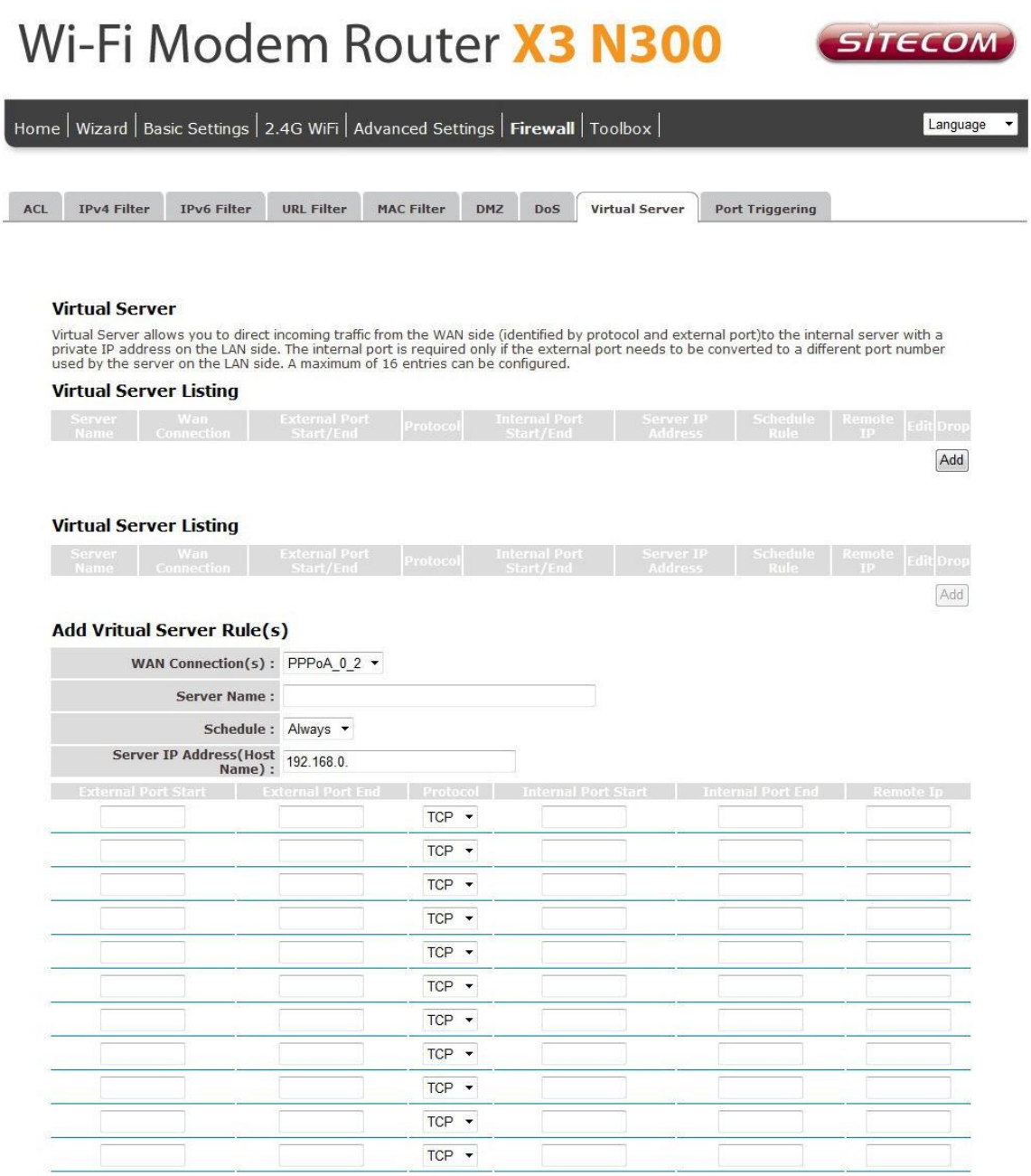
Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox
Language
ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
DMZ
A Demilitarized Zone is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as Web (HTTP) servers, FTP servers, SMTP (e-mail) servers and DNS servers.
DMZ setting for : PPPoA_0_2
DMZ : Enable Disable
DMZ Host IP Address :
Apply Cancel

The DMZ Host is a local computer exposed to the Internet. When setting a particular internal IP Address as the DMZ Host, all incoming packets will be checked by the firewall and NAT algorithms then passed to the DMZ Host.

Enable DMZ and enter the IP address for which you want unrestricted access to the internet in the DMZ Host IP address. Click Apply to save and apply the settings.

Virtual Server

Use the Virtual Server function when you want different servers/clients in your LAN to handle different service/Internet application type (e.g. Email, FTP, Web server etc.) from the Internet. Computers use numbers called port numbers to recognize a particular service/Internet application type. The Virtual Server allows you to re-direct a particular service port number (from the Internet/WAN Port) to a particular LAN private IP address and its service port number.


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
ACL | IPv4 Filter | IPv6 Filter | URL Filter | MAC Filter | DMZ | DoS | Virtual Server | Port Triggering
Virtual Server
Virtual Server allows you to direct incoming traffic from the WAN side (identified by protocol and external port)to the internal server with a private IP address on the LAN side. The internal port is required only if the external port needs to be converted to a different port number used by the server on the LAN side. A maximum of 16 entries can be configured.
Virtual Server Listing
Server Name | Wan Connection | External Port Start/End | Protocol | Internal Port Start/End | Server IP Address | Schedule Rule | Remote IP | Edit | Drop
Add
Virtual Server Listing
Server Name | Wan Connection | External Port Start/End | Protocol | Internal Port Start/End | Server IP Address | Schedule Rule | Remote IP | Edit | Drop
Add
Add Vritual Server Rule(s)
WAN Connection(s) : PPPoA_0_2
Server Name :
Schedule : Always
Server IP Address(Host Name) : 192.168.0.
External Port Start | External Port End | Protocol | Internal Port Start | Internal Port End | Remote Ip
TCP

Server Name: Assign a name to the virtual server.
Server IP: This is the LAN client/host IP address that the Public Port number packet will be sent to.
External/Internal Port Start: Here the starting port number must be entered.
External/Internal Port End: Here the end port number must be entered

Note : The ports from the start port till the End port will be opened

Click 'Apply' for the changes to take effect.

TOOLBOX

Sitecom Cloud Security

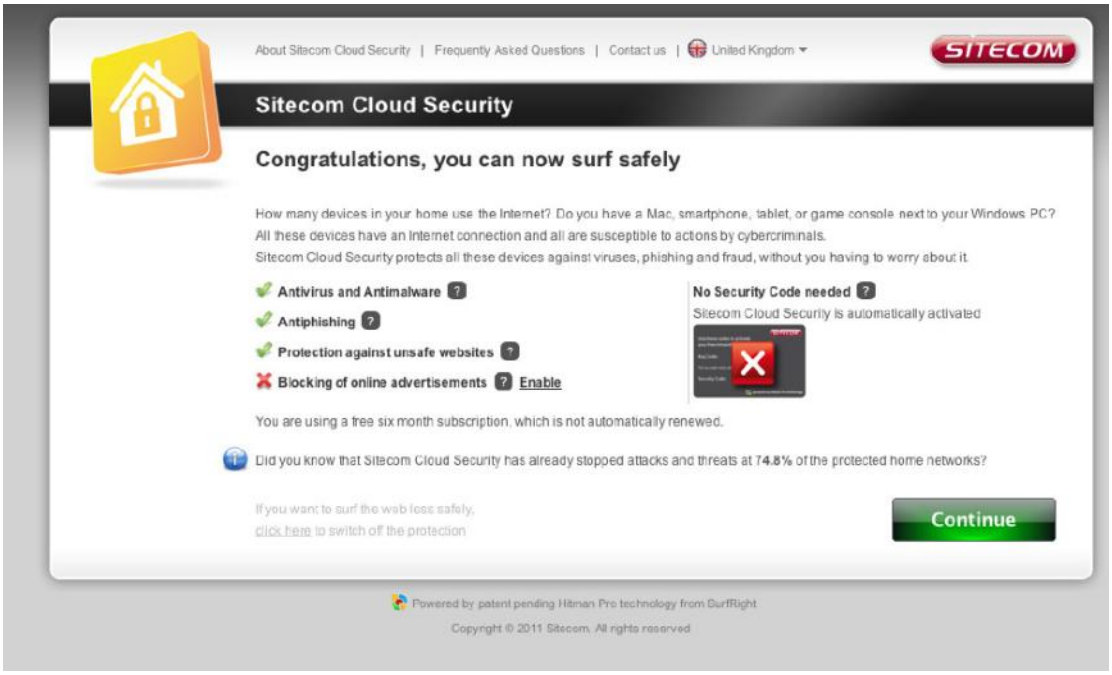
Antivirus software alone is not safe enough. You can now benefit from additional built-in security in your modem or router. Protect all devices in your home network against cybercrime while browsing. Activate in just one click, your network and devices are better secured than ever before.

Your Sitecom device comes with a 6 month free Sitecom cloud security subscription.

Activating Sitecom Cloud Security

After you have set up your Sitecom device for internet access, open the web browser and enter http://www.sitecomcloudsecurity.com in the address bar.

If the device has been properly configured the following web page should be shown.

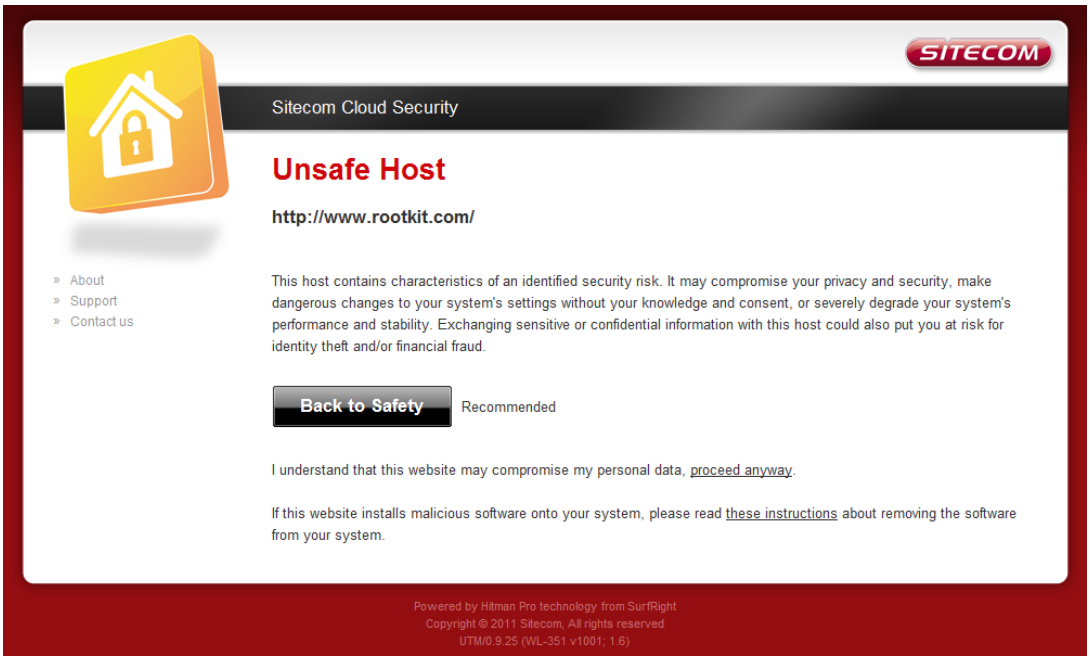

About Sitecom Cloud Security | Frequently Asked Questions | Contact us | United Kingdom
SITECOM
Sitecom Cloud Security
Congratulations, you can now surf safely
How many devices in your home use the Internet? Do you have a Mac, smartphone, tablet, or game console next to your Windows PC?
All these devices have an Internet connection and all are susceptible to actions by cybercriminals.
Sitecom Cloud Security protects all these devices against viruses, phishing and fraud, without you having to worry about it.
Antivirus and Antimalware
Antiphishing
Protection against unsafe websites
Blocking of online advertisements
Enable
No Security Code needed
Sitecom Cloud Security is automatically activated
You are using a free six month subscription, which is not automatically renewed.
Did you know that Sitecom Cloud Security has already stopped attacks and threats at 74.8% of the protected home networks?
If you want to surf the web less safely,
click here to switch off the protection
Continue
Powered by patent pending Hitman Pro technology from SurfRight
Copyright © 2011 Sitecom. All rights reserved

Here you can see which security features are activated.

The Sitecom Cloud Security service offers the following protection options:

- Anti-Malware
- Anti-Phishing
- Protection against unsafe websites
- Advertisement blocking

With the protection of unsafe websites activated the Sitecom Cloud Security will always check if a website is safe. If it is not safe it will inform you that is not safe to enter.

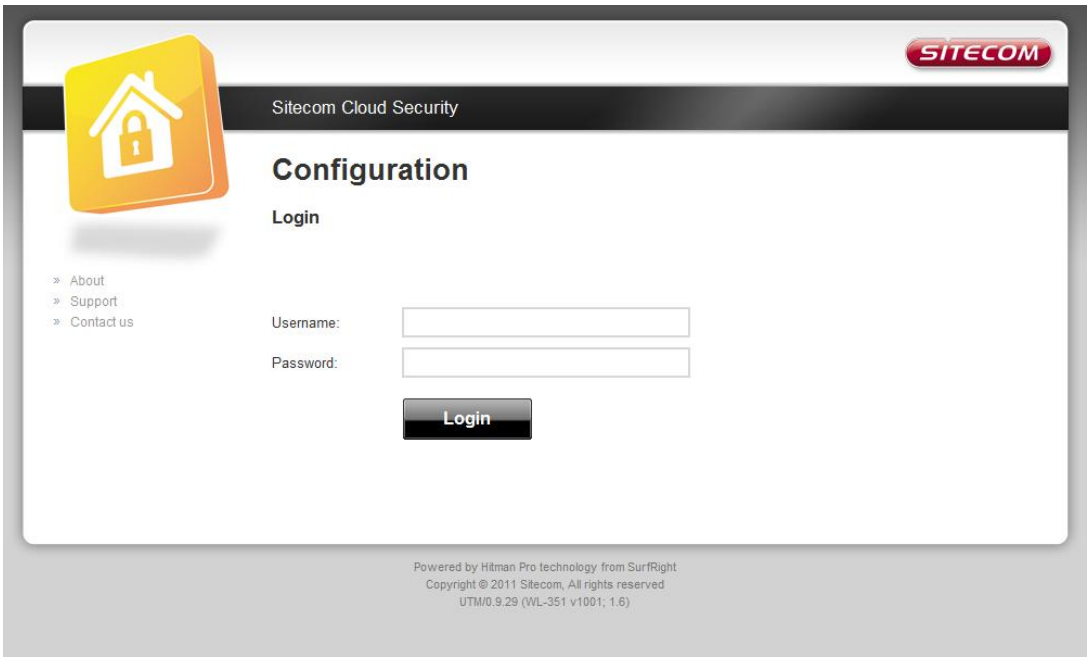

SITECOM
Sitecom Cloud Security
Unsafe Host
http://www.rootkit.com/
About
Support
Contact us
This host contains characteristics of an identified security risk. It may compromise your privacy and security, make dangerous changes to your system's settings without your knowledge and consent, or severely degrade your system's performance and stability. Exchanging sensitive or confidential information with this host could also put you at risk for identity theft and/or financial fraud.
Back to Safety
Recommended
I understand that this website may compromise my personal data, proceed anyway.
If this website installs malicious software onto your system, please read these instructions about removing the software from your system.
Powered by Hitman Pro technology from SurfRight
Copyright © 2011 Sitecom, All rights reserved
UTM/0.9.25 (WL-351 v1001; 1.6)

If you still wish to visit this webpage click on 'proceed anyway'. Alternatively click 'Back to Safety' so that your security will not be breached.

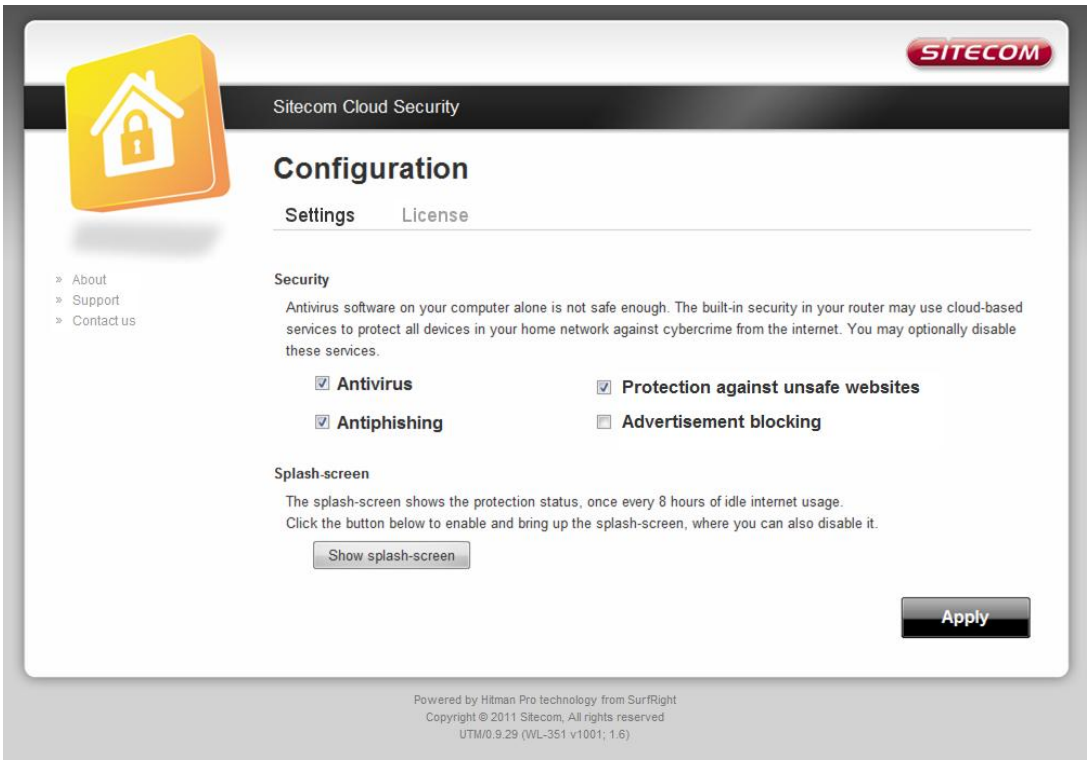
Configuring Sitecom Cloud Security

If you wish to change your security options or to extend your subscription at any time, open http://www.sitecomcloudsecurity.com from your web browser.

You will be asked for a username and password. These can be found on the backlabel on the bottom of your Sitecom router or modem.



If the login succeeded you can click on 'Settings' to change your security options.


SITECOM
Sitecom Cloud Security
Configuration
Settings
License
About
Support
Contact us
Security
Antivirus software on your computer alone is not safe enough. The built-in security in your router may use cloud-based services to protect all devices in your home network against cybercrime from the internet. You may optionally disable these services.
Antivirus
Protection against unsafe websites
Antiphishing
Advertisement blocking
Splash-screen
The splash-screen shows the protection status, once every 8 hours of idle internet usage.
Click the button below to enable and bring up the splash-screen, where you can also disable it.
Show splash-screen
Apply
Powered by Hitman Pro technology from SurfRight
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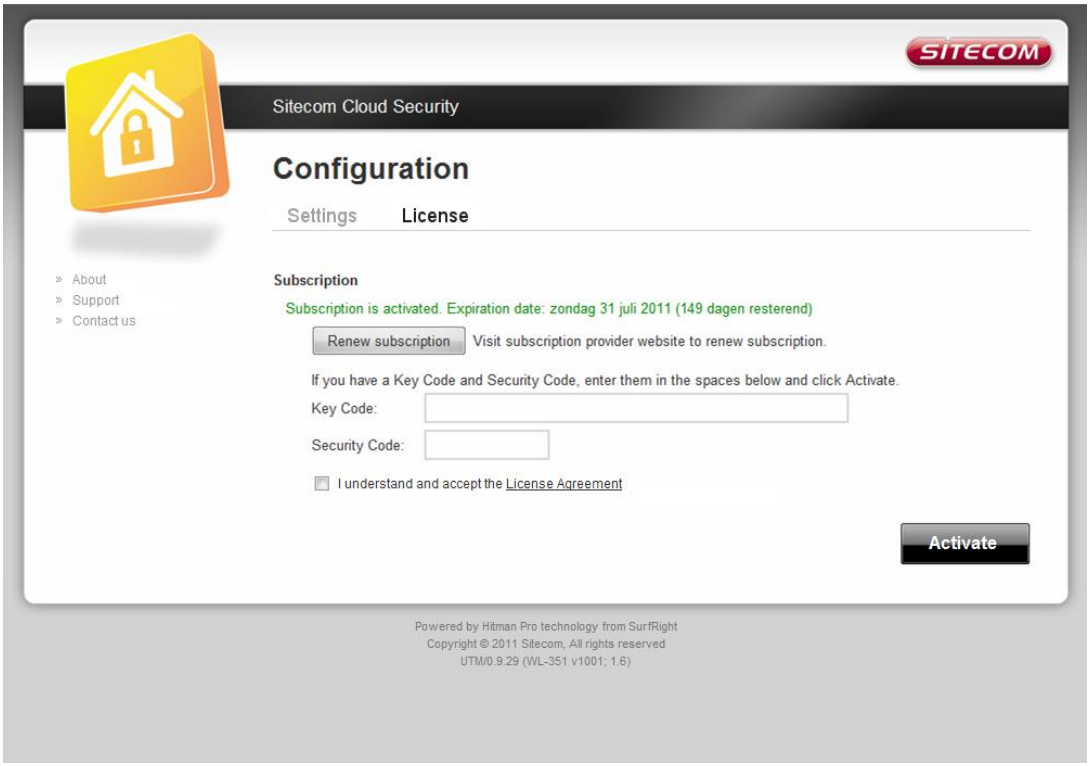
UTM/0.9.29 (WL-351 v1001; 1.6)

Or click 'License' to renew your subscription.


SITECOM
Sitecom Cloud Security
Configuration
Settings
License
About
Support
Contact us
Subscription
Subscription is activated. Expiration date: zondag 31 juli 2011 (149 dagen resterend)
Renew subscription
Visit subscription provider website to renew subscription.
If you have a Key Code and Security Code, enter them in the spaces below and click Activate.
Key Code:
Security Code:
I understand and accept the License Agreement
Activate
Powered by Hitman Pro technology from SurfRight
Copyright © 2011 Sitecom, All rights reserved
UTM/0.9.29 (WL-351 v1001; 1.6)

Disabling Sitecom Cloud Security

If you wish to disable to Sitecom cloud security at any time, open the webpage of your Sitecom product and log in with the supplied credentials (these can be found on the back label on the bottom of your Sitecom device).

Go to Toolbox and select "Sitecom Cloud Security".

Click the "Disable" radio button and click '**Apply'** for the settings to take effect.

Password

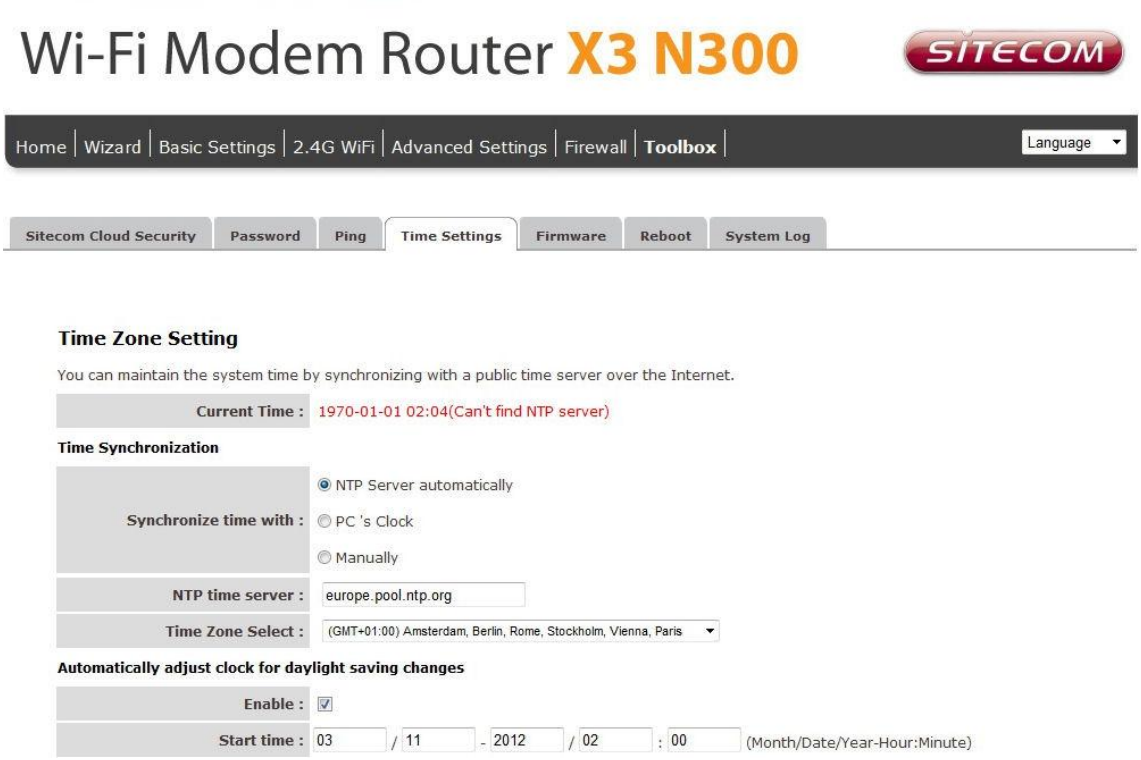
You can change the password required to log into the router's system web-based management. Passwords can contain 0 to 12 alphanumeric characters, and are case sensitive.

Old Password: Fill in the current password to allow changing to a new password.
New Password: Enter your new password.
Confirmed Password: Enter your new password again for verification purposes.

Click **Apply** at the bottom of the screen to save the above configuration.

Time Settings

The Time Zone allows your router to set its time; especially for recording System Log.


Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox
Language
Sitecom Cloud Security | Password | Ping | Time Settings | Firmware | Reboot | System Log
Time Zone Setting
You can maintain the system time by synchronizing with a public time server over the Internet.
Current Time : 1970-01-01 02:04(Can't find NTP server)
Time Synchronization
Synchronize time with : NTP Server automatically
PC 's Clock
Manually
NTP time server : europe.pool.ntp.org
Time Zone Select : (GMT+01:00) Amsterdam, Berlin, Rome, Stockholm, Vienna, Paris
Automatically adjust clock for daylight saving changes
Enable :
Start time : 03 / 11 - 2012 / 02 : 00 (Month/Date/Year-Hour:Minute)

Current Time: The current time of the specified time zone. You can set the current time by yourself or configure by NTP server.
NTP server: The IP address or the host name of the NTP server. You can select from the list or set it manually.
Time Zone Select: Select the time zone of the country you are currently in. The router will set its time based on your selection.

When you finish, click 'Save'.so the settings will take effect after it reboots.

Firmware Upgrade

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Sitecom Cloud Security | Password | Ping | Time Settings | Firmware | Reboot | System Log
Automatic Firmware Upgrade Setting
On this options you can setting enable/disable the automatic firmware upgrade function.
Automatic upgrade : Enable Disable
Save Cancel
Firmware upgrade
On this options you can upgrade the routers firmware to a newere version (when available).
New Firmware Location : Browse...
Clear Config :
Upgrade Firmware

Enable Automatic firmware update: When enabled the router will check for updates on the firmware if an updated firmware has been released the router will inform you that a newer firmware is available and offers to download and install the firmware.

This page also allows you to manually upgrade the firmware for the router. Click the "Browse" button to select the firmware file and click the "Upgrade Firmware" button to start upgrading.

IMPORTANT! Do not turn off your router while this procedure is in progress.

Reboot

Wi-Fi Modem Router X3 N300
SITECOM
Home | Wizard | Basic Settings | 2.4G WiFi | Advanced Settings | Firewall | Toolbox |
Language
Sitecom Cloud Security | Password | Ping | Time Settings | Firmware | Reboot | System Log
System Restart
This page is used to apply changes to system memory and reboot the router, or reset to factory defaults.
System Restart with : Current Settings Factory Default Settings
RESTART

Whenever you use the Web configuration to change system settings, the changes are initially placed in temporary storage. To save your change for future use, you have to click "Apply" to reboot the router. If you have encountered problems during the configuration, you can click the "OPS" button in the top panel of the router over 15 seconds to reset default settings.

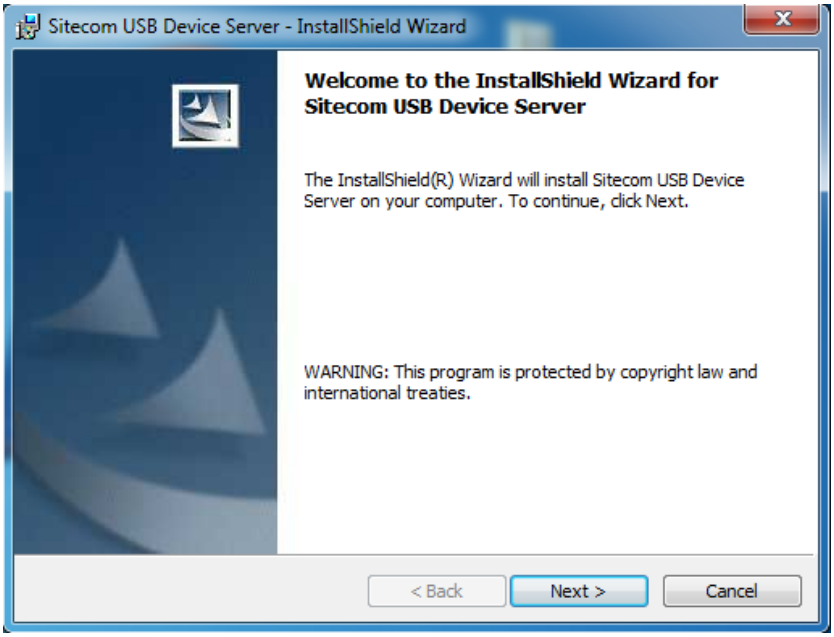
Addendum A: USB Port Control Center

The netUSB functionality of your router requires additional software to work with your computer. The following section will describe how the software can be installed and used.

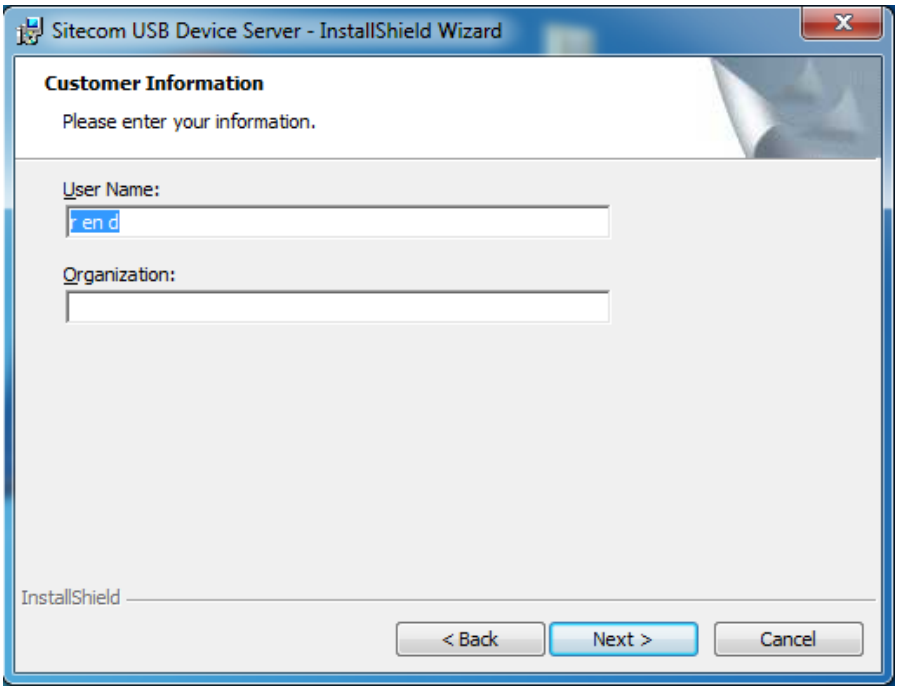
Windows

Insert the CD-ROM that was included with your router and select install utility from the cd-menu.

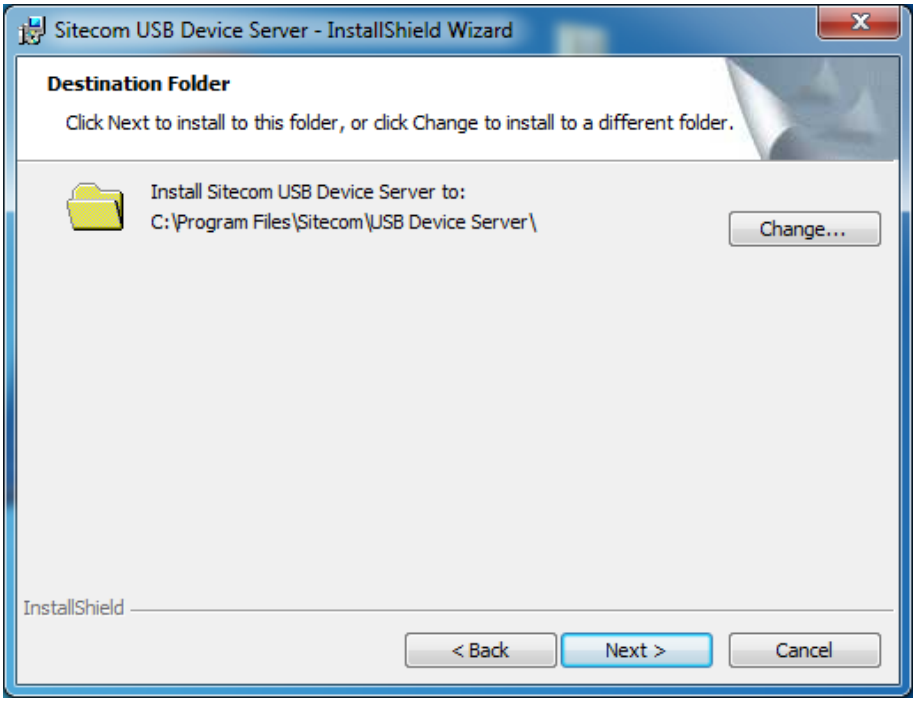
The software will inform you about what will be installed.


Sitecom USB Device Server - InstallShield Wizard
Welcome to the InstallShield Wizard for Sitecom USB Device Server
The InstallShield(R) Wizard will install Sitecom USB Device Server on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

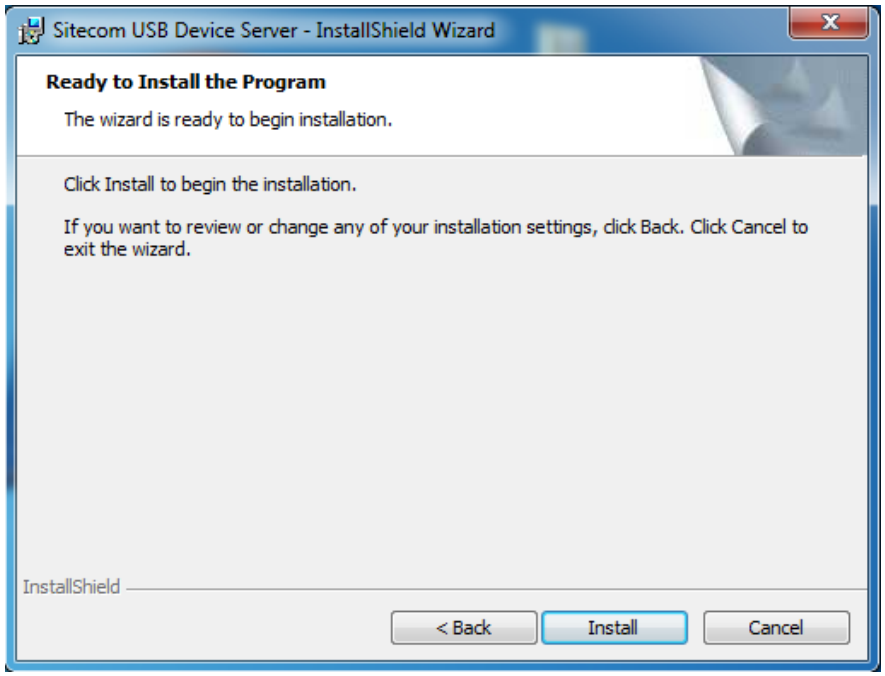
Click **Next** to continue the installation.



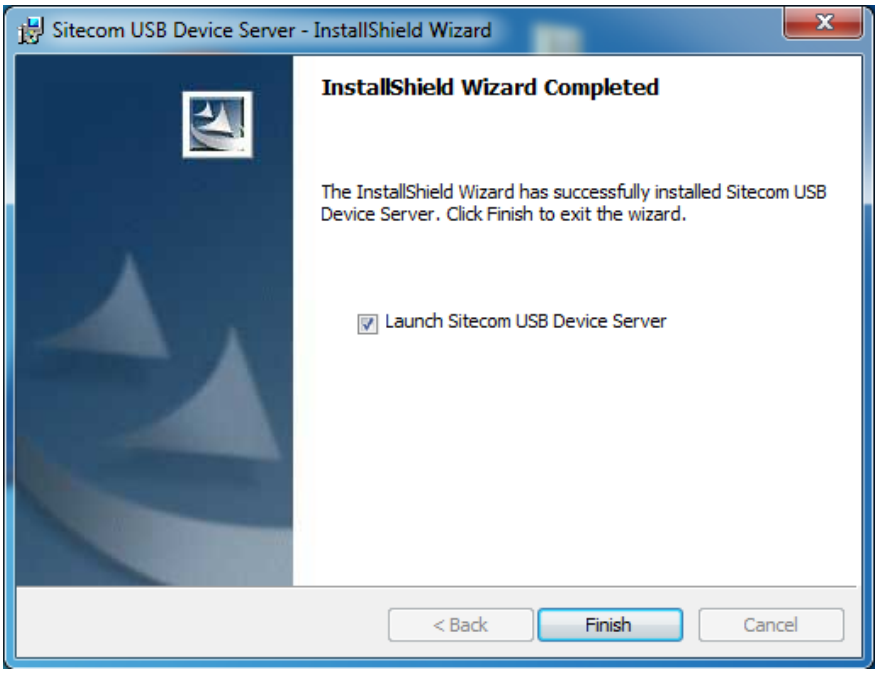
Enter your username and organization if applicable and click **Next** to continue.


Sitecom USB Device Server - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Sitecom USB Device Server to:
C:\Program Files\Sitecom\USB Device Server\
Change...
InstallShield
< Back
Next >
Cancel

Choose a folder where the software should be installed or keep it to default and click **Next** to continue.


Sitecom USB Device Server - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

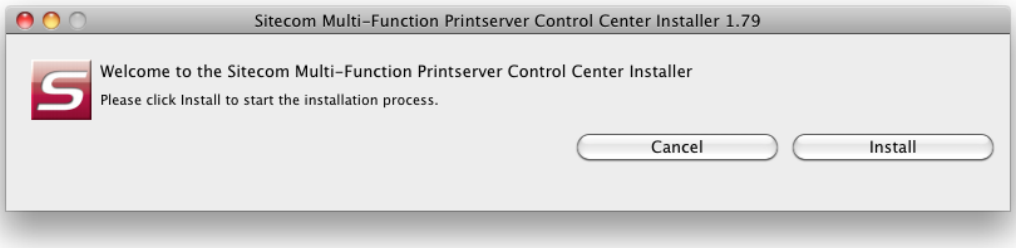
The software is now ready to be installed, Click **Install** to continue.


Sitecom USB Device Server - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Sitecom USB Device Server. Click Finish to exit the wizard.
Launch Sitecom USB Device Server
< Back
Finish
Cancel

Once the installation is finished the software will inform you. If "**Launch Sitecom USB Device Server**" checked the software will automatically be launched after you clicked **Finish**.

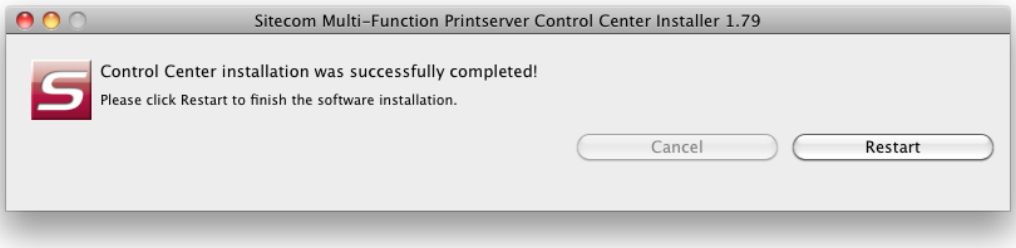
MacOS

Insert the CD-ROM that was included with your router and select "**Install**" from the cd-menu.


Sitecom Multi-Function Printserver Control Center Installer 1.79
Welcome to the Sitecom Multi-Function Printserver Control Center Installer
Please click Install to start the installation process.
Cancel
Install

Click **Install** to continue installation.

Enter your Mac username and password and click **OK** to continue.


Sitecom Multi-Function Printserver Control Center Installer 1.79
Control Center installation was successfully completed!
Please click Restart to finish the software installation.
Cancel
Restart

Once the installation is finished the software will inform you and requires to restart the system.

Connect & Disconnect

"NetUSB" allows you to use USB printers when they're actually connected to the Sitecom USB server.

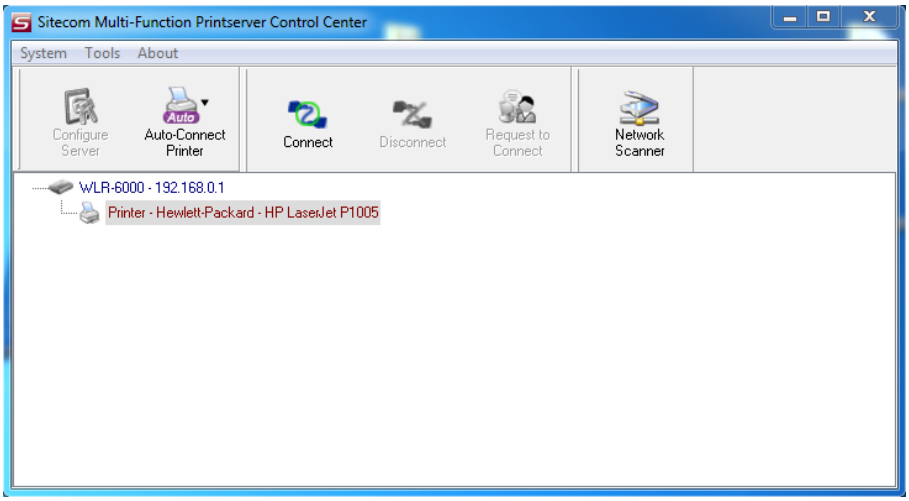
The "connect" operation is a software operation that simulates an actual USB device plug-in. Therefore, when you do a "connect" operation in the Control Center, the PC can detect a USB device's plug-in, although actually you do not plug in any USB device to your PC. Similarly, the "disconnect" operation is a software operation that simulates the disconnection of the USB device.

Note: If a USB device is "connected" by a PC, we say that PC has the ownership of the USB device. Only one PC can get the ownership of a USB device at the same time.

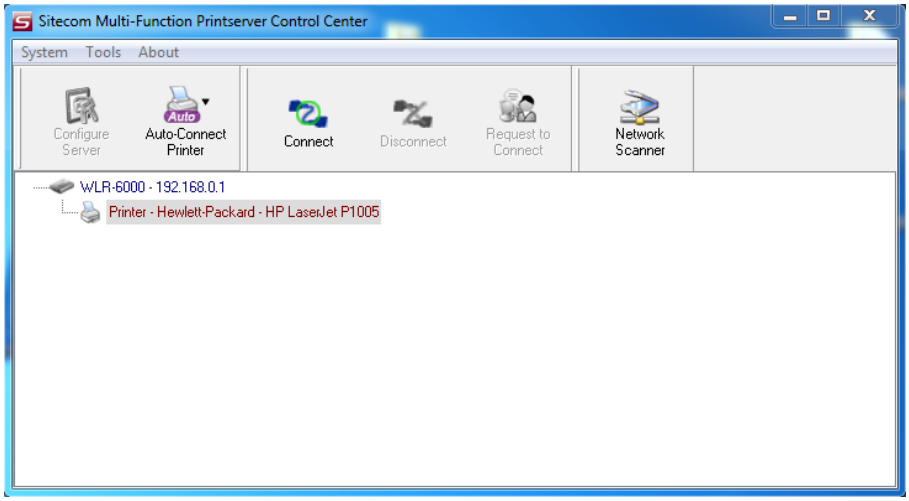
NetUSB installation

The steps to do installation for USB devices, like MFPs:

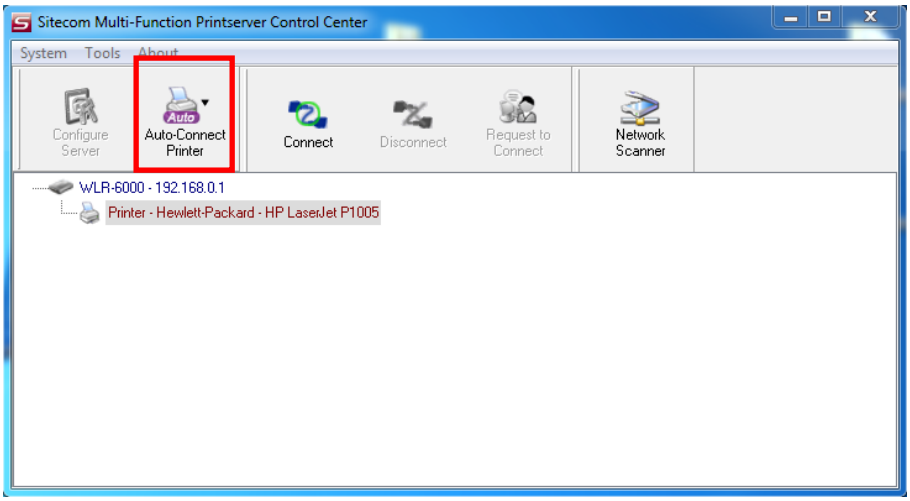
- Make sure the router is turned on.
- Connect the USB device to the USB port of the router.
- Run the Control Center. In the "USB MFP Server List" window, you can see the host names and IP addresses all of the Sitecom servers (in blue) on the network, as shown below.



- Click the server. Then all USB devices attached to the server will be shown.



- Please follow the user manual of the USB device to install its driver. For example, you may put the driver CD of the USB device in the CD-ROM player to install the driver.
- When you are asked to plug in the USB device into PC's USB port, click the desired USB device in the Control Center and then click the "Auto-Connect Printer" button to do the connect operation and get the ownership of the USB device. The computer name of the device owner will be shown at the end of the device.



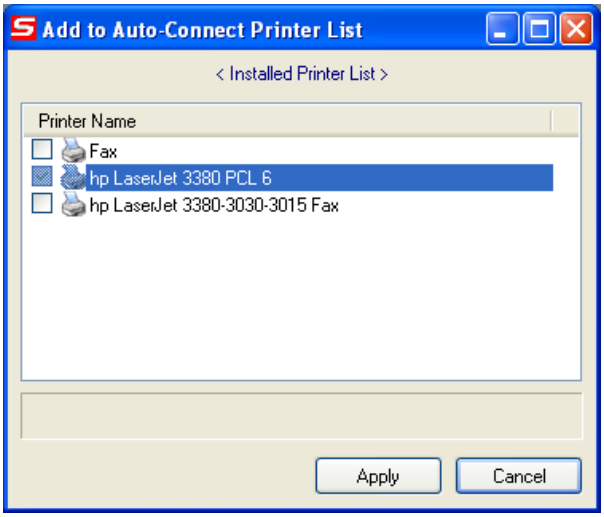
- PC will automatically detect that the USB device is plugged-in. On the right side of the Windows Task Bar, you can see the information of the new device. Continue to follow the user manual of the USB device to do the rest jobs of installation, until the driver installation has finished.

After the installation, you can see the newly created devices on the PC. If the USB device is a MFP, you can see a new printer and a new scanner from the "Control Panel".

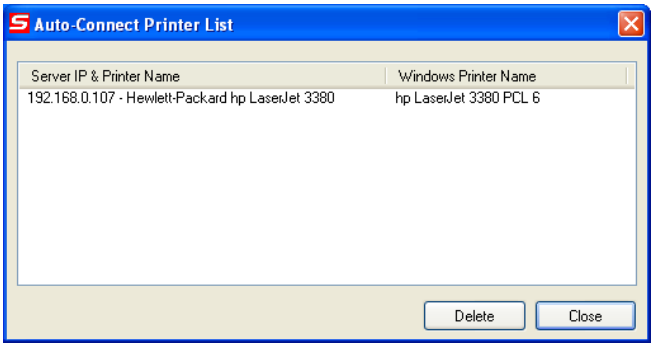
NetUSB Printing using Auto-Connect Printer

After the driver is installed, you can see a newly created printer in the Control Panel. Follow the steps below to perform NetUSB printing.

- In the Control Center, click the MFP server that has the desired printer (or MFP) attached.
- Click the desired printer (or MFP).
- Click the "Auto Connect Printer" button and choose "Set Auto-Connect Printer". The following figure will appear.



- Choose the desired printer. The desired printer must be the Windows printer (this is a logical printer) that matches the printer attached on the MFP server (this is a physical printer). Then click the "**Apply**" button.



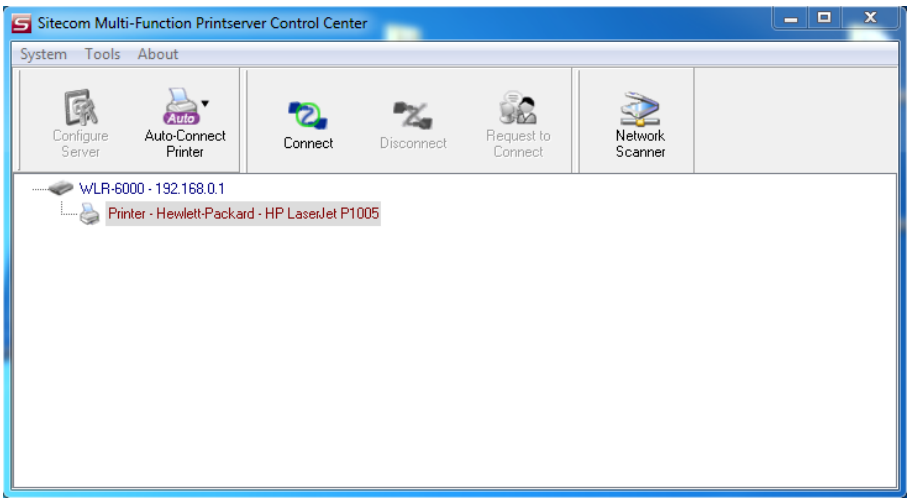
- Then, the printer will be marked as an "Auto-Connected Printer" in red. If you choose "Auto-Connected Printer List" in the "Tools" menu, you can see a newly created item that describes the association between the Windows printer and the physical printer on the server.
- Then try to issue a print job to the desired printer. You will see the Control Center will automatically do a connect operation and, once the print job finished, it will hold the connection. However, the connection will be released immediately when another user do the printing afterward. At the same time, the printer is automatically disconnected with your PC.

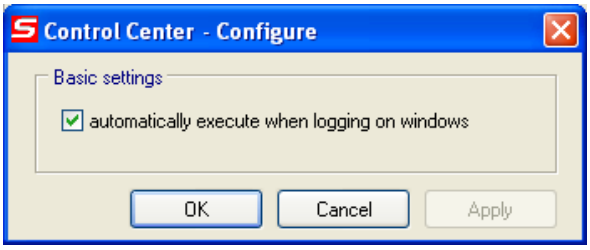
- When you do a print job again. The control center will automatically do a connecting operation on printing again. This is so-called "Auto Connect / Disconnect" operation.

Note: Under the "Auto-Connected Printer" setting, it is not necessary to manually press the "**Connect**" button when printing. If you press the "Connect" button for printing, please make sure to click "**Disconnect**" button after you finish the printing. Otherwise, other users cannot print properly. It is because you are the only ownership of the connected printer.

AutoRun

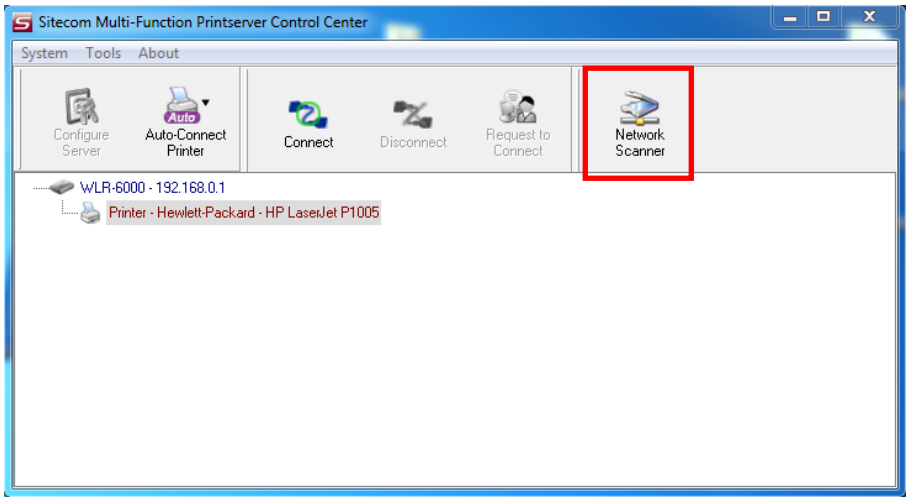
You can make the Control Center be run automatically after you login Windows. To do this, you choose the "Configuration" item in the "Tools" menu. The following window will appear. Click the check box and then on the "OK" button. This feature is enabled by default.



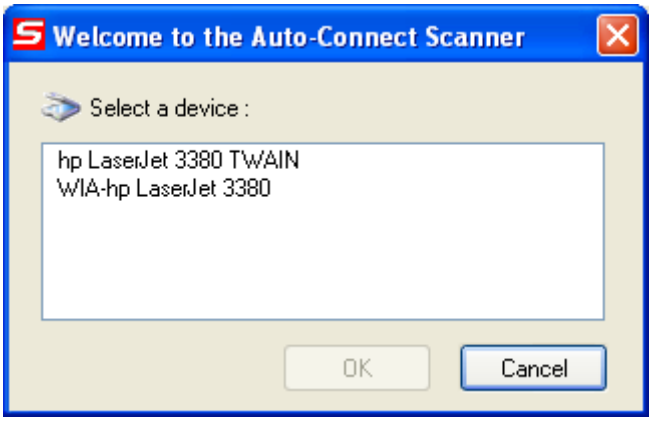


NetUSB Scanning using Network Scanning

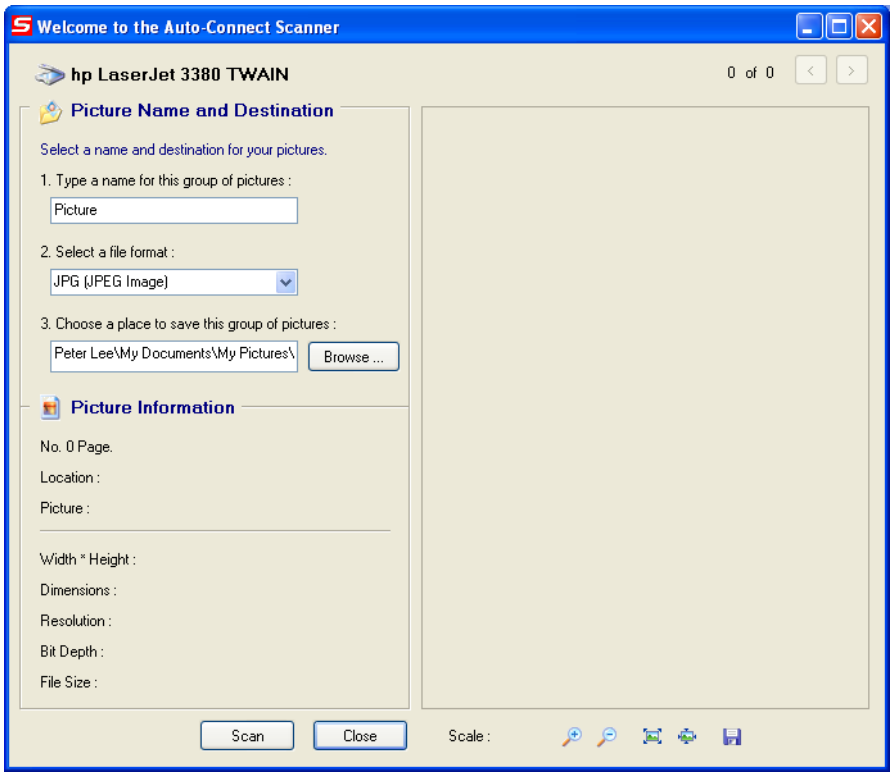
- In the Control Center, click the MFP server that has the desired MFP attached.
- Click the desired MFP.
- Click the "Network Scanner" button.



- Then you can see that the Control Center will automatically do a "connect" operation. The following window will appear.



- Choose one of TWAIN or WIA item. Click "OK". The following window will appear.



- Follow the usual steps to do scanning.

Addendum B: GNU/GPL Leaflet

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#	Package name	Source
1	atm	trunk/src/opensource/atm/2684ctl/
2	bftpd	trunk/src/opensource/bftpd/
3	brctl	trunk/src/opensource/brctl/bridge-utils-1.2/
4	busybox	trunk/src/opensource/busybox/busybox-1.6.1/
5	dhcpr	trunk/src/opensource/dhcpr/dhcp-forwarder-0.4/
6	dhcpv6	trunk/src/opensource/dhcpv6/wide-dhcpv6/
7	dproxy	trunk/src/opensource/dproxy/dproxy-nexgen/
8	dropbear	trunk/src/opensource/dropbear/dropbear-0.51/
9	ebtables	trunk/src/opensource/ebtables/ebtables-v2.0.9-2/
10	ethtool	trunk/src/opensource/ethtool/
11	ftpd	trunk/src/opensource/ftpd/bftpd/
12	gdb	trunk/src/opensource/gdb/gdb-6.3/
13	httpd	trunk/src/opensource/httpd/mini_httpd-1.19/
14	igmpproxy	trunk/src/opensource/igmpproxy/
15	inadyn	trunk/src/opensource/inadyn/inadyn-mt/
16	iproute2	trunk/src/opensource/iproute2/iproute2-2.6.18/
17	iptables	trunk/src/opensource/iptables/iptables-1.4.6/
18	l2tpd	trunk/src/opensource/l2tpd/l2tpd-0.70/
19	libiconv	trunk/src/opensource/libiconv/libiconv-1.13.1/
20	libnetfilter_conntrack	trunk/src/opensource/libnetfilter_conntrack/ libnetfilter_conntrack-0.0.89
21	libnfnetlink	trunk/src/opensource/libnfnetlink/libnfnetlink-0.0.33
22	libosip2	trunk/src/opensource/libosip2/libosip2-2.0.9/
23	mld	trunk/src/opensource/mld
24	msntp	trunk/src/opensource/msntp/msntp-1.6
25	nanocom	trunk/src/opensource/nanocom
26	ntfs	trunk/src/opensource/ntfs/ntfs-3g/
27	peanuthullclient	trunk/src/opensource/peanuthullclient
28	ppp-pppoe	trunk/src/opensource/ppp-pppoe/ppp-2.4.3/
29	radvd	trunk/src/opensource/radvd/radvd-1.5/
30	siproxd	trunk/src/opensource/siproxd/siproxd-0.5.1/
31	snmp	trunk/src/opensource/snmp/net-snmp-5.4.1/
32	upnp	trunk/src/opensource/upnp/miniupnpd-1.5/
33	udhcp	trunk/src/opensource/udhcp/
34	wireless_tools	trunk/src/opensource/wireless_tools
35	xmlparser	trunk/src/opensource/xmlparser/expat/ trunk/src/opensource/xmlparser/scew
36	zebra	trunk/src/opensource/zebra/zebra-0.95a/
37	zlib	trunk/src/opensource/zlib/zlib-1.2.3/
38	Bootloader	trunk/src/boot/tbsboot/
39	Kernel	trunk/src/kernel/linux-2.6.36/

Availability of source code

Sitecom Europe BV has made available the full source code of the GPL licensed software, including any scripts to control the compilation and installation of the object code on the Sitecom website.

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Addendum C: GNU/GPL

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If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

Addendum D: Declaration of Conformity

Sitecom Europe BV

EC Declaration of Conformity

We
Sitecom Europe BV
Linatebaan 101
3045 AH Rotterdam
The Netherlands

Hereby declare under our sole responsibility that the Sitecom product:

Product number:	WLM-6600 v1 001
Product description:	Wi-Fi Modem Router X6 N900

To which this declaration relates is in conformity with the requirements of the following standards:

CE/LVD

· EN 60950-1:	2006+A11 (2009)

CE/EMC

- EN 301 489-1 V1.8.1
- EN 301 489-17 V2.1.1

RADIO SPECTRUM

· EN 300 328 V1.7.1	2006-10
· EN 50385	2002
· EN 301 893 V1.5.1.	

This certifies that the following designated Sitecom product:

Product description: Wi-Fi Modem Router X6 N900
Product No.: WLM-6600 v1 001

Complies with the requirements of the following directives and carries the CE marking accordingly:
R&TTE Directive 99/5/EC, EMC directive 2004/95/EC and Low Voltage Directive 2006/95/EC.
This declaration is the responsibility of the manufacturer / importer:

Sitecom Europe B.V.
Rotterdam, 25 January 2013

M. Bergwerff,

COO

UK CE COMPLIANCE

Hereby Sitecom Europe BV declares that this product is in accordance with essential requirements and other relevant terms of the European regulation 1999/5/EC.

FR CONFORMITE CE

Par la présente Sitecom Europe BV, déclare que l'appareil est conforme aux exigences essentielles et aux dispositions pertinentes de la Directive Européenne 1999/5/EC.

DE CE-CONFORMITÄT

Hiermit erklärt Sitecom Europe BV, dass dieses Produkt die erforderlichen Voraussetzungen und andere relevante Konditionen der europäischen Richtlinie 1999/5/EC erfüllt.

IT CONFORMITA ALLE NORME CE

Con la presente Sitecom Europe BV dichiara che questo prodotto è conforme ai requisiti essenziali e agli altri termini rilevanti della Direttiva Europea 1999/5/EC.

NL CE GOEDKEURING

Hierbij verklaart Sitecom Europe BV dat dit product in overeenstemming is met de essentiële eisen en andere relevante bepalingen van Europese Richtlijn 1999/5/EC.

ES CONFORMIDAD CON LA CE

Por la presente Sitecom Europe BV declara que este producto cumple con los requisitos esenciales y las otras provisiones relevantes de la Directiva Europea 1999/5/EC.

PT CONFORMIDADE CE

Pela presente a Sitecom Europe BV declara que este produto está em conformidade com os requisitos essenciais e outras condições relevantes da regulamentação Europeia 1999/5/EC.

SE CE-FÖRSÄKRAN

Härmed försäkrar Sitecom Europe BV att denna produkt uppfyller de nödvändiga kraven och andra relevanta villkor EU-direktivet 1999/5/EC.

DK OVERENSSTEMMELSESERKLÆRING

Sitecom Europe BV bekræfter hermed, at dette produkt er i overensstemmelse med væsentlige krav og andre betingelser i henhold til Rådets direktiv 1999/5/EC.

NO CE-OVERENSSTEMMELSE

Sitecom Europe BV erklærer herved at dette produktet er i overensstemmelse med de avgjørende kravene og andre relevante vilkår i den europeiske forskriften 1999/5/EC.

FI CE-HYVÄKSYNTÄ

Täten Sitecom Europe BV ilmoittaa, että tämä tuote on yhdenmukainen direktiivin 1999/5/EC olennaisten vaatimusten ja muiden asiaankuuluvien sopimusehtojen kanssa.

RU СООТВЕТСТВИЕ ТРЕБОВАНИЯМ CE

Настоящим компания Sitecom Europe BV заявляет, что ее продукция соответствует основным требованиям и условиям Европейской Директивы 1999/5/EC.

PL CERTYFIKAT ZGODNOŚCI CE

Sitecom Europe BV niniejszym oświadcza, że ten produkt spełnia wszelkie niezbędne wymogi, a także inne istotne warunki dyrektywy europejskiej 1999/5/WE.

GR ΣΥΜΜΟΡΦΩΣΗ ΜΕ CE

Η Sitecom Europe BV δηλώνει, διά του παρόντος, ότι αυτό το προϊόν συμμορφώνεται με τις ουσιώδεις απαιτήσεις και τους λοιπούς όρους του ευρωπαϊκού κανονισμού 1999/5/EC.

RoHS compliant

This product may be used in the following countries:

AT BE HU CZ IT RO EE ES
FI FR IS NL GR CY LI DE
LT LU LV MT GB SI TR PT
SE SK PL DK CH BG NO U

For non EU countries please check with the local authorities for restrictions of using wireless products